e-Government Ontology (OCML)

This annex contains the OCML code of the e-Government ontology, which is explained in detail in D9.3.

;;; -*- Mode: LISP; Syntax: Common-lisp; Base: 10; Package: OCML;  -*-

;;; The Open University

(in-package "OCML")

(in-ontology seamless-uk-taxonomy)

(defun-class seamless-uk-top-class-type () "x
 :iff-def
 (or (= seamless-uk-top-class "x)
   (subclass-of "x seamless-uk-top-class))
 )

(defun-class seamless-uk-top-class ()
 (related-term :type seamless-uk-top-class-type)
 (has_ecc_a-z :type boolean)
 (use_for :type seamless-uk-top-class-type)
 (scope_note :type string)
 (misspell :type seamless-uk-top-class-type))
 ))

;;; In this section we describe the classe af the domain related with arts, craft and media

(defun-class arts-crafts-media (seamless-uk-top-class))

(defun-class arts (arts-crafts-media)
 (related-term :value leisure
 :value entertainment
 :value culture
 :value heritage-services)
 (has_ecc_a-z :value true))
 )

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(def-class architecture (arts)
  ((related_term :value planning))
)

(def-class arts-administration (arts)
)

(def-class arts-councils (arts-administration)
)

(def-class arts-development (arts-administration)
  ((related_term :value literature-development)
   (use_for :value arts-promotion))
)

(def-class arts-venues (arts)
  ((related_term :value halls-for-hire))
)

(def-class arts-centres (arts-venues)
)

(def-class cinemas (arts-venues)
  ((related_term :value film
     :value cinema))
)

(def-class concert-halls (arts-venues)
  ((related_term :value music)))

(def-class galleries(arts-venues)
  ((use_for :value art-galleries))
)

(def-class rehearsal-space (arts-venues)
  ((related_term :value performing-arts
     :value music))
)

(def-class theatres (arts-venues)
  ((related_term :value theatre))
)
(def-class theatre-licences (theatres)
  ((related_term :value theatre)
   (use_for :value plays-licences
     :value occasional-stage-plays-licences))
)

(def-class community-arts (arts)
  ((related_term :value community-theatre))
)

(def-class culture (arts)
  ((related_term :value arts
     :value heritage-services)
   (use_for :value heritage))
)

(def-class design (arts)
  ((related_term :value computer-aided-design))
)

(def-class fine-arts (arts)
  ((related_term :value art-therapy)
   (use_for :value art))
)

(def-class art-appreciation (fine-arts)
)

(def-class art-history (fine-arts)
)

(def-class drawing (fine-arts)
)

(def-class painting (fine-arts)
)

(def-class oil-painting (painting)
)

(def-class watercolour-painting (painting)
)

(def-class sculpture (fine-arts)
)
(def-class sketching (fine-arts))

(def-class literature (arts))

(def-class english-literature (literature))

(def-class literature-development (literature)
  ((related-term :value arts-development)
   (has-ecc-a-z :value true)))

(def-class poetry (literature))

(def-class reading (literature))

(def-class writing (literature)
  ((use-for :value creative-writing)))

(def-class play-writing (writing)
  ((use-for :value playwriting)))

(def-class screen-writing (writing)
  ((use-for :value screenwriting)))

(def-class music (arts)
  ((related-term :value music-therapy
                 :value concert-halls
                 :value rehearsal-space)))

(def-class musical-styles (music))

(def-class african-music (musical-styles))

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(def-class blues-music (musical-styles)
  ((use_for :value rhythm-and-blues)))
)

(def-class chamber-music (musical-styles)
)

(def-class chinese-music (musical-styles)
)

(def-class choral-music (musical-styles)
  ((related_term :value singing)))
)

(def-class church-music (musical-styles)
)

(def-class classical-music (musical-styles)
)

(def-class country-and-western-music (musical-styles)
  ((use_for :value country-music)))
)

(def-class easy-listening-music (musical-styles)
)

(def-class electronic-music (musical-styles)
)

(def-class far-eastern-music (musical-styles)
)

(def-class folk-music (musical-styles)
)

(def-class historical-music (musical-styles)
  ((related_term :value history-of-music)))
)

(def-class indian-music (musical-styles)
)

(def-class instrumental-music (musical-styles)
)
(def-class japanese-music (musical-styles))

(def-class jazz (musical-styles)
  ((related_term :value jazz-bands)))

(def-class military-music (musical-styles)
  ((related_term :value marching-bands
                 :value pipe-bands)))

(def-class modern-music (musical-styles)
  ((related_term :value popular-music)))

(def-class music-hall (musical-styles)
  ((use_for :value old-time-music-hall
            :value old-tyme-music-hall)))

(def-class musical-theatre (musical-styles))

(def-class musicals (musical-theatre))

(def-class opera (musical-styles))

(def-class operetta (opera))

(def-class orchestral-music (musical-styles))

(def-class orchestras (orchestral-music))

(def-class popular-music (musical-styles)
  ((related_term :value modern-music)
   (use_for :value pop-music)))
(def-class rock-music (musical-styles)  
  (\(related\text{-}term\) :value rock-and-roll-music))
)

(def-class rock-and-roll-music (musical-styles)  
  (\(related\text{-}term\) :value rock-music))
)

(def-class west-indian-music (musical-styles)  
  (\(related\text{-}term\) :value steel-bands))
)

(def-class accompanists (music)  
)

(def-class bands (music)
)

(def-class brass-bands (bands)
)

(def-class dance-bands (bands)  
  ((\(use\text{-}for\) :value big-bands))
)

(def-class jazz-bands (bands)  
  (\(related\text{-}term\) :value jazz))
)

(def-class marching-bands (bands)  
  (\(related\text{-}term\) :value majorettes  
    :value military-music))
)

(def-class military-bands (bands)
)

(def-class pipe-bands (bands)  
  (\(related\text{-}term\) :value military-music))
)

(def-class steel-bands (bands)  
  (\(related\text{-}term\) :value west-indian-music))
)
(def-class swing-bands (bands)
)

(def-class bell-ringing (music)
  ((use_for :value campanology :value church-bell-ringing)))

(def-class handbell-ringing (bell-ringing)
  ((use_for :value hand-bell-ringing))
)

(def-class composition (music)
  ((use_for :value music-composition))
)

(def-class composers (composition)
)

(def-class conducting (music)
)

(def-class conductors (conducting)
)

(def-class history-of-music (music)
  ((related_term :value historical-music)
   (use_for :value music-history-of))
)

(def-class music-technology (music)
)

(def-class music-theory (music)
)

(def-class aural-theory (music-theory)
)

(def-class musical-instruments (music)
  ((related_term :value musical-instrument-making))
)

(def-class brass-instruments (musical-instruments)
)
(def-class bugle (brass-instruments)
 )

(def-class cor-anglais (brass-instruments)
 )

(def-class cornet (brass-instruments)
 )

(def-class euphonium (brass-instruments)
 )

(def-class french-horn (brass-instruments)
 )

(def-class saxophone (brass-instruments)
 )

(def-class sousaphone (brass-instruments)
 )

(def-class tenor-horn (brass-instruments)
 )

(def-class trombone (brass-instruments)
 )

(def-class trumpet (brass-instruments)
 )

(def-class tuba (brass-instruments)
 )

(def-class keyboard-instruments (musical-instruments)
 )

(def-class harpsichord (keyboard-instruments)
 )

(def-class keyboard (keyboard-instruments)
 )

(def-class melodian (keyboard-instruments)
 )

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(def-class organ (keyboard-instruments) )

(def-class electronic-organ (organ) )

(def-class fairground-organ (organ) )

(def-class piano (keyboard-instruments) )

(def-class musical-instrument-hire (musical-instruments) ((use_for :value instrument-hire)) )

(def-class percussion-instruments (musical-instruments) ((use_for :value percussion)) )

def-class drums (percussion-instruments) ((use_for :value drum)) )

(def-class gamelan (percussion-instruments) )

(def-class stringed-instruments (musical-instruments) )

(def-class banjo (stringed-instruments) )

(def-class cello (stringed-instruments) )

(def-class double-bass (stringed-instruments) )

(def-class guitar (stringed-instruments) )

(def-class acoustic-guitar (guitar) )
(def-class electric-guitar (guitar) )

(def-class bass-guitar (electric-guitar) )

(def-class lute (stringed-instruments) )

(def-class mandolin (stringed-instruments) )

(def-class viola (stringed-instruments) )

(def-class violin (stringed-instruments) )

(def-class viols (stringed-instruments) )

(def-class wind-instruments (musical-instruments) )

(def-class accordion (wind-instruments) )

(def-class bagpipes (wind-instruments) )

(def-class bassoon (wind-instruments) )

(def-class clarinet (wind-instruments) )

(def-class concertina (wind-instruments) )

(def-class flute (wind-instruments) )

(def-class harmonica (wind-instruments) )
(def-class oboe (wind-instruments)
)

(def-class piccolo (wind-instruments)
)

(def-class recorder (wind-instruments)
)

(def-class tin-whistle (wind-instruments)
)

(def-class singing (music)
  ((related_term :value choral-music))
)

(def-class barbershop-singing (singing)
)

(def-class choirs (singing)
  ((use_for :value choral-groups))
)

(def-class male-voice-choirs (choirs)
)

(def-class performing-arts (arts)
  ((related_term :value rehearsal-space)
   (use_for :value performances))
)

(def-class circus-skills (performing-arts)
)

(def-class juggling (circus-skills)
)

(def-class dance (performing-arts)
)

(def-class dance-styles (dance)
)
(def-class ballet-dancing (dance-styles)
 )

(def-class ballroom-dancing (dance-styles)
 )

(def-class barn-dancing (dance-styles)
 )

(def-class barn-dance-callers (barn-dancing)
 )

(def-class belly-dancing (dance-styles)
 )

(def-class circle-dancing (dance-styles)
 )

(def-class clog-dancing (dance-styles)
 )

(def-class country-dancing (dance-styles)
 )

(def-class irish-country-dancing (country-dancing)
   ((use_for :value irish-dancing))
 )

(def-class scottish-country-dancing (country-dancing)
   ((use_for :value scottish-dancing))
 )

(def-class disco-dancing (dance-styles)
 )

(def-class egyptian-dancing (dance-styles)
 )

(def-class flamenco (dance-styles)
   ((related_term :value latin-dancing))
 )

(def-class folk-dancing (dance-styles)
 )
(def-class historical-dance (dance-styles))

(def-class indian-dance (dance-styles)
  ((use_for :value indian-dancing)))

(def-class jazz-dance (dance-styles)
  ((use_for :value jazz-dancing)))

(def-class jive (dance-styles))

(def-class latin-dancing (dance-styles)
  ((related_term :value flamenco)
    (use_for :value latin-american-dancing)))

(def-class line-dancing (dance-styles))

(def-class modern-dance (dance-styles))

(def-class morris-dancing (dance-styles))

(def-class old-time-dancing (dance-styles)
  ((use_for :value old-tyme-dancing)))

(def-class religious-dance (dance-styles))

(def-class rock-and-roll-dancing(dance-styles))

(def-class salsa (dance-styles))

(def-class sequence-dancing (dance-styles))

(def-class square-dancing (dance-styles))
(def-class sword-dancing (dance-styles))

(def-class tango (dance-styles))

(def-class tap-dancing (dance-styles))

(def-class choreography (dance))

(def-class tea-dances (dance))

(def-class drama (performing-arts)
  ((related_term :value drama-therapy
                  :value speech-training
                  :value voice-training)))

(def-class acting (drama)
  ((related_term :value theatre)))

(def-class theatre (drama)
  ((related_term :value theatres
                 :value theatre-licences
                 :value acting)))

(def-class community-theatre (theatre)
  ((related_term :value community-arts)))

(def-class puppet-theatre (theatre)
  ((use_for :value puppets)))

(def-class theatre-going (theatre)
  ((use_for :value theatre-visits)))
(def-class magic (performing-arts))

(def-class pantomime (performing-arts))

(def-class storytelling (performing-arts))

(def-class visual-arts (arts)
    ((related-term :value television)))

(def-class cinema (visual-arts)
    ((related-term :value cinemas
                   :value film)))

(def-class film (visual-arts)
    ((related-term :value cinemas
                   :value cinema)))

(def-class film-making (film))

(def-class photography (visual-arts)
    ((related-term :value hobbies)))

(def-class video (visual-arts))

(def-class video-making (video))

(def-class crafts (arts-crafts-media)
    ((related-term :value hobbies
                   :value leisure
                   :value model-making)
     (use-for :value handicrafts)))

(def-class bookbinding (crafts))
(def-class box-making (crafts))

(def-class calligraphy (crafts))

(def-class ceramics (crafts))

(def-class dough-crafts (crafts))

(def-class enamelling (crafts))

(def-class floral-crafts (crafts))

(def-class dried-flowers (floral-crafts))

(def-class flower-arranging (floral-crafts))

(def-class ikebana (flower-arranging))

(def-class glass-blowing (crafts))

(def-class glass-painting (crafts))

(def-class jewellery-design (crafts)
  ((use_for :value jewellery)))

(def-class lace-draping (crafts))

(def-class metal-work (crafts))

(def-class silversmithing (metal-work))
(def-class wrought-ironwork (metal-work))

(def-class musical-instrument-making (crafts)
  ((related-term :value musical-instruments)))

(def-class needlecrafts (crafts)
  ((use-for :value needle-crafts)))

(def-class crocheting (needlecrafts))

(def-class cross-stitch (needlecrafts)
  ((related-term :value tapestry)
   (use-for :value cross-stitch
            :value needlepoint)))

(def-class embroidery (needlecrafts))

(def-class machine-embroidery (embroidery))

(def-class knitting (needlecrafts))

(def-class machine-knitting (knitting))

(def-class lacemaking (needlecrafts)
  ((use-for :value lace-making)))

(def-class patchwork (needlecrafts))

(def-class quilting (needlecrafts))

(def-class sewing (needlecrafts))
(def-class dressmaking (sewing)
   ((use_for :value dress-making))
)

(def-class pattern-cutting (sewing)
)

(def-class tapestry (needlecrafts)
   ((related_term :value cross-stitch))
)

(def-class tatting (needlecrafts)
)

(def-class papier-mache (crafts)
)

(def-class parchment-craft (crafts)
)

(def-class porcelain-painting (crafts)
   ((use_for :value china-painting))
)

(def-class pottery (crafts)
)

(def-class soft-furnishing (crafts)
)

(def-class upholstery (soft-furnishing)
)

(def-class textiles (crafts)
)

(def-class dyeing (textiles)
)

(def-class silk-painting (textiles)
)

(def-class spinning (textiles)
(def-class weaving (textiles))

(def-class ribbon-weaving (weaving))

(def-class silk-weaving (weaving))

(def-class toy-making (crafts))

(def-class woodcrafts (crafts)
  ((related_term :value carpentry)))

(def-class cabinet-making (woodcrafts))

(def-class fretsaw-work (woodcrafts))

(def-class furniture-making (woodcrafts))

(def-class marquetry (woodcrafts))

(def-class pyrography (woodcrafts))

(def-class woodturning (woodcrafts))

(def-class media (arts-crafts-media)
  ((related_term :value marketing
    :value public-relations
    :value campaigning
    :value lobbying
    :value communication
    :value internet
    :value communications-services)
   (use_for :value))
(def-class broadcasting (media)
  ((scope_note :value "use for both radio and television broadcasting")
   (use_for :value radio-broadcasting
     :value television-broadcasting)))

(def-class journalism (media)
  ((scope_note :value "use in relation to journalism in any audio visual or printed media")))

(def-class newspapers (media)
  ((related_term :value marketing
     :value public-relations)))

(def-class community-newspapers (newspapers)
  ((use_for :value local-newspapers)))

(def-class village-newspapers (newspapers))

(def-class radio (media))

(def-class digital-radio(radio))

(def-class radio-stations (radio))

(def-class community-radio (radio-stations)
  ((use_for :value local-radio)))

(def-class hospital-radio(radio-stations))

(def-class television (media)
  ((related_term :value visual-arts)))
(def-class cable-television (television)
  ((use_for :value piped-television))
)

(def-class digital-television (television)
)

(def-class free-to-air-television (television)
)

(def-class satellite-television (television)
)

(def-class satellite-dishes (satellite-television)
)

;;;
;;; This section is pertinent to the BELIEFES and the FAITHS
;;;

(def-class beliefs-and-faiths (seamless-uk-top-class)
)

(def-class beliefs (beliefs-and-faiths)
)

(def-class human-consciousness (beliefs)
)

(def-class humanism (beliefs)
  ((use_for :value humanist))
)

(def-class occultism (beliefs)
)

(def-class paganism (beliefs)
  ((use_for :value pagan))
)

(def-class paranormal(beliefs)
)
(def-class ufo-s (paranormal)
  ((use_for :value unidentified-flying-objects))
)

(def-class psychic-studies (beliefs)
)

(def-class secularism (beliefs)
)

(def-class spiritualism (beliefs)
  ((use_for :value spiritual-healing))
)

(def-class faiths (beliefs-and-faiths)
  ((use_for :value religions
           :value religion))
)

(def-class christianity (faiths)
)

(def-class anglican-church (christianity)
)

(def-class church-of-england (anglican-church)
  ((use_for :value c-of-e))
)

(def-class baptist-church (christianity)
  ((use_for :value baptist))
)

(def-class christadelphian-church (christianity)
)

(def-class christian-science (christianity)
)

(def-class congregational-church (christianity)
)

(def-class evangelical-church (christianity)
)
((use_for :value evangelical
  :value kings-church
  :value evangelism))
)

(def-class french-protestant-church (christianity)
  ((use_for :value french-protestant))
)

(def-class independent-church (christianity)
)

(def-class jehovah-s-witnesses (christianity)
  ((use_for :value jehovah-s-witness)))
)

(def-class lutheran-church (christianity)
)

(def-class methodist-church (christianity)
  ((use_for :value methodists))
)

(def-class mormon-church (christianity)
  ((use_for :value church-of-jesus-christ-of-the-latter-day-saints
    :value church-of-jesus-christ-of-the-latter-day-saints
    :value latter-day-saints
    :value jesus-christ-of-latter-day-saints))
)

(def-class non-conformist-churches (christianity)
)

(def-class free-church (non-conformist-churches)
  ((use_for :value free-churches))
)

(def-class open-brethren (christianity)
)

(def-class orthodox-church (christianity)
)

(def-class greek-orthodox-church (orthodox-church)
((use_for :value greek-orthodox))

(def-class russian-orthodox-church (orthodox-church)
   ((use_for :value russian-orthodox))
)

(def-class pentecostal-church (christianity)
   ((use_for :value pentecostal))
)

(def-class assemblies-of-god (pentecostal-church)
)

(def-class presbyterian-church (christianity)
)

(def-class quaker-society (christianity)
   ((use_for :value religious-society-of-friends
     :value quaker))
)

(def-class roman-catholic-church (christianity)
   ((use_for :value roman-catholic
     :value catholic))
)

(def-class salvation-army (christianity)
)

(def-class seventh-day-adventists-church (christianity)
   ((use_for :value seventh-day-adventist))
)

(def-class unitarian-church (christianity)
   ((use_for :value unitarian))
)

(def-class united-reformed-church (christianity)
   ((use_for :value ure
     :value united-reformed))
)

(def-class world-wide-church-of-god (christianity)
)
(def-class non-christian-faiths (faiths))
)

(def-class baha'i-faith (non-christian-faiths))
)

(def-class buddhism (non-christian-faiths)
  ((use_for :value buddhist))
)

(def-class hinduism (non-christian-faiths)
  ((use_for :value hindu))
)

(def-class islam (non-christian-faiths))
)

(def-class islam-shia (islam))
)

(def-class islam-sunni (islam))
)

(def-class muslim (islam))
)

(def-class judaism (non-christian-faiths))
)

(def-class orthodox-jewish-people (judaism)
  ((use_for :value jewish))
)

(def-class reform-jewish (judaism))
)

(def-class ritual-baths (judaism))
)

(def-class shamanism (non-christian-faiths))
)

(def-class sikhism (non-christian-faiths)
  ((use_for :value sikhs))
)
(def-class spiritualist-church (non-christian-faiths)
)

(def-class taoism (non-christian-faiths)
)

(def-class places-of-worship (beliefs-and-faiths)
  ((related_term :value church-buildings
     :value wedding-venues
     :value wedding-services))
)

(def-class churches (places-of-worship)
  ((related_term :value friends-of-churches))
)

(def-class meeting-houses (places-of-worship)
)

(def-class mosques (places-of-worship)
)

(def-class priories (places-of-worship)
)

(def-class retreat-centres (places-of-worship)
  ((use_for :value retreats))
)

(def-class salvation-army-citadels (places-of-worship)
  ((use_for :value citadels))
)

(def-class synagogues (places-of-worship)
)

(def-class temples (places-of-worship)
)

(def-class religious-studies (beliefs-and-faiths)
)
(def-class spiritual-development (religious-studies))
)

(def-class sunday-schools (religious-studies))
)

(def-class theology (religious-studies))
)

;;
;;; The classes and relations of this section describe the BUSINESS
;;; and the EMPLOYMENT
;;;

(def-class business-and-employment (seamless-uk-top-class)
  ((related_term :value economic-development
                :value financial-services))
)

(def-class business (business-and-employment)
  ((related_term :value taxation
                 :value law
                 :value business-development
                 :value health-and-safety-at-work
                 :value economic-development
                 :value young-people)
   (use_for :value industryuse
            :value small-medium-enterprises))
)

(def-class business-administration (business)
  ((related_term :value business-advice
                 :value business-studies
                 :value secretarial-courses)))

(def-class business-regulations (business-administration)
)

(def-class business-relocation (business-administration)
)

(def-class business-skills (business-administration)
)
(def-class contractual-regulation (business-administration))

(def-class management (business-administration))

(def-class hospitality-management (management))

(def-class human-resources-management (management)
  ((use_for :value hr-management
            :value personnel-management
            :value human-resource-management)))

(def-class leisure-facilities-management (management)
  ((use_for :value leisure-facility-management)))

(def-class management-skills (management))

(def-class office-skills (business-administration)
  ((related_term :value business-training)))

(def-class reception-duties (office-skills)
  ((related_term :value business-studies)))

(def-class secretarial-services (office-skills))

(def-class shorthand (office-skills)
  ((related_term :value business-studies)))

(def-class typing (office-skills)
  ((related_term :value business-studies)))

(def-class typing-services (business-administration))

(def-class word-processing-services (typing-services))
(def-class business-advice (business)
  ((related_term :value business-administration)
   (has_ecc_a-z :value true)))

(def-class business-services (business-advice)
  ((related_term :value business-information-services
                 :value commercial-services
                 :value advice-services)
   (use_for :value business-support-services)))

(def-class business-start-ups (business-services)
  ((use_for :value business-startups)))

(def-class grants-for-businesses (business-services)
)

(def-class small-business-advice-services (business-services)
  ((related_term :value small-businesses)))

(def-class chambers-of-trade-and-commerce (business-advice)
)

(def-class business-finance (business)
  ((use_for :value commerce)))

(def-class accounting (business-finance)
  ((related_term :value business-studies)
   (use_for :value computerised-accounting)))

(def-class accounts (accounting)
)

(def-class credit-control (accounts)
)

(def-class expenditure (accounts)
)
(def-class income-control (accounts)
)

(def-class book-keeping (accounting)
  ((related_term :value business-studies)))
)

(def-class computerised-accounting (accounting)
  ((related_term :value business-studies)))
)

(def-class banking (business-finance)
  ((related_term :value financial-advice)))
)

(def-class building-societies (business-finance)
)

(def-class company-giving (business-finance)
)

(def-class exchange-trading (business-finance)
)

(def-class trade (business-finance)
  ((related_term :value fair-trade
                 :value importing
                 :value exporting)
   (use_for :value trading)))
)

(def-class business-partnerships (business)
)

(def-class business-clubs (business-partnerships)
)

(def-class cooperatives (business-partnerships)
  ((use_for :value worker-s-cooperatives
            :value co-operatives
            :value worker-s-co-operatives))
)

(def-class private-sector-partnerships (business-partnerships)
)
(def-class public-sector-partnerships (business-partnerships)  
  )

(def-class business-people (business)  
  )

(def-class business-men (business-people)  
  ((use_for :value businessmen))
  )

(def-class business-women (business-people)  
  ((related_term :value professional-women-s-groups))
  )

(def-class directors (business-people)  
  )

(def-class employees (business-people)  
  ((related_term :value trade-unions))
  )

(def-class employers (business-people)  
  )

(def-class professional-people (business-people)  
  )

(def-class guilds (professional-people)  
  )

(def-class professional-associations (professional-people)  
  ((use_for :value trade-associations))
  )

(def-class trustees (business-people)  
  )

(def-class business-premises (business)  
  ((related_term :value freehold-housing  
    :value leasehold-housing  
    :value asbestos  
    )
  )
:value gas)
(use_for :value premises
  :value warehouses
  :value retail-premises
  :value offices
  :value real-estate
  :value commercial-real-estate
  :value rented-property
  :value commercial-property))
)

(def-class business-parks (business-premises)
  ((use_for :value business-sites))
  )

(def-class conference-venues (business-premises)
  ((related_term :value community-centres)
   (use_for :value conference-facilities
            :value conference-centres))
  )

(def-class industrial-land (business-premises)
  )

(def-class industrial-property (industrial-land)
  )

(def-class unoccupied-premises (business-premises)
  ((use_for :value premises-to-let
            :value unoccupied-buildings))
  )

(def-class warehousing (business-premises)
  ((related_term :value business-studies))
  )

(def-class workshops (business-premises)
  )

(def-class business-systems (business)
  )

(def-class community-business (business)
  )
(def-class ethical-business (business))

(def-class fair-trade (ethical-business)
 ((related_term :value fair-trade-shop
 :value trade)))

(def-class health-and-safety (business)
 ((related_term :value law
 :value employment-rights)))

(def-class buildings (health-and-safety))

(def-class dangerous-structures (buildings)
 ((use_for :value dilapidated-structures)))

(def-class demolition (buildings))

(def-class fire-escape-regulations (buildings))

(def-class scaffolding (buildings))

(def-class chemical-storage (health-and-safety))

(def-class explosives (health-and-safety))

(def-class fireworks (explosives))

(def-class hazardous-waste (health-and-safety)
 ((related_term :value refuse-disposal)))

(def-class petroleum-storage (health-and-safety))
(def-class industrial-relations (business)
)

(def-class trade-unions (industrial-relations)
  ((related_term :value employees)
   (use_for :value unions
            :value trades-unions))
)

(def-class insurance (business)
)

(def-class insurance-claims (insurance)
)

(def-class manufacturing (business)
  ((related_term :value manufacturing-licences
                 :value business-studies))
)

(def-class exporting (manufacturing)
  ((related_term :value trade))
)

(def-class importing (manufacturing)
  ((related_term :value trade))
)

(def-class quality-control (manufacturing)
)

(def-class marketing (business)
  ((related_term :value newspapers
                 :value media
                 :value business-studies))
)

(def-class public-relations (marketing)
  ((related_term :value newspapers
                 :value media))
)

(def-class recruitment (business)
  ((related_term :value employment))
)
(def-class interviewing (recruitment)
)

(def-class job-vacancies (recruitment)
    ((use_for :value vacancies))
)

(def-class retailing (business)
    ((use_for :value selling))
)

(def-class bartering (retailing)
)

(def-class small-businesses (business)
    ((related_term :value small-business-advice-services))
)

(def-class employment (business-and-employment)
    ((related_term :value discrimination
        :value disabled-people
        :value older-people
        :value training
        :value bullying
        :value employment-counselling
        :value disability
        :value education-careers-and-training
        :value law
        :value recruitment
        :value employment-services
        :value work-permits
        :value job-creation)
    (use_for :value work))
)

(def-class employment-rights (employment)
    ((related_term :value health-and-safety
        :value employment-law)
    (use_for :value rights-at-work))
)

(def-class equal-pay (employment-rights)
    ((related_term :value law))
)
(def-class maternity-rights (employment-rights)
   ((related_term :value law)))
)

(defun-class safety-at-work (employment-rights)
   ((related_term :value law)))
)

(defun-class employment-schemes (employment)
)

(defun-class employment-counselling (employment-schemes)
   ((related_term :value employment
                  :value counselling)
     (use_for :value employment-advice)))
)

(defun-class work-experience-schemes (employment-schemes)
   ((related_term :value young-people)))
)

(defun-class youth-training-schemes (employment-schemes)
   ((related_term :value training)))
)

(defun-class flexible-working (employment)
)

(defun-class job-sharing (flexible-working)
)

(defun-class telecottages (flexible-working)
)

(defun-class home-workers (employment)
)

(defun-class self-employment (employment)
   ((use_for :value self-employment
             :value self-employed
             :value self-employed))
)

(defun-class sheltered-employment (employment)
)
(def-class unemployment (employment)
  ((related_term :value dismissal)))

(def-class job-centres (unemployment)
  )

(def-class job-clubs (unemployment)
  )

(def-class job-hunting (unemployment)
  ((related_term :value careers)))

(def-class jobseekers (unemployment)
  ((related_term :value careers-advice)))

(def-class curriculum-vitae (jobseekers)
  ((use_for :value cv)))

(def-class unemployed-people (unemployment)
  ((use_for :value unemployed)))

(def-class unemployment-advice-centres (unemployment)
  )

;;;
;;; In this section are represented the domain of CHILDREN and FAMILIES
;;;

(def-class children-and-families (seamless-uk-top-class)
  ((related_term :value family-support-services
     :value parenting-courses)))
(def-class children (children-and-families)
  ((related-term :value bullying
    :value walking-buses)
   (use-for :value babies-and-children
    :value kids))
)

(def-class activities-for-children (children)
  ((related-term :value cadet-forces
    :value hobbies
    :value majorettes
    :value kumon-maths-courses))
)

(def-class children-s-book-groups (activities-for-children)
  ((use-for :value children-s-book-group))
)

(def-class play-centres (activities-for-children)
)

(def-class playbuses (activities-for-children)
  ((use-for :value play-buses))
)

(def-class playgrounds (activities-for-children)
  ((related-term :value parks)
   (use-for :value play-areas))
)

(def-class adventure-playgrounds (playgrounds)
  ((related-term :value recreation-grounds))
)

(def-class playschemes (activities-for-children)
  ((related-term :value after-school-care)
   (use-for :value play-schemes
    :value play-programmes))
)

(def-class holiday-playschemes (playschemes)
  ((use-for :value holiday-play-schemes))
)

(def-class toy-libraries (activities-for-children)
(def-class boys (children))
)

(def-class child-care (children))
)

(def-class after-school-care (child-care)
  ((related_term :value playschemes)
   (use_for :value after-school-clubs))
)

(def-class childminding (child-care)
  ((use_for :value child-minding
            :value child-minding-networks-and-guidance
            :value babysitting-childminders))
)

(def-class childminders (childminding)
  ((use_for :value child-minders))
)

(def-class children-s-centres (child-care))
)

(def-class children-s-homes (child-care))
)

(def-class creches (child-care))
)

(def-class nurseries (child-care)
  ((use_for :value day-nurseries-and-nursery-schools
            :value schools-nursery)
   (has_ecc_a-z :value true)))

(def-class day-nurseries (nurseries))
)

(def-class girls (children))
)

(def-class pre-school-children (children)
  ((related_term :value pre-school-education))
)
(def-class babies (pre-school-children)
  ((related_term :value multiple-births))
)

(def-class rising-fives (pre-school-children)
  ((use_for :value rising-5-s))
)

(def-class toddlers (pre-school-children)
)

(def-class under-fives (pre-school-children)
  ((use_for :value under-5-s))
)

(def-class pre-school-organisations (children)
  ((use_for :value pre-school-groups))
)

(def-class gymbabes (pre-school-organisations)
  ((use_for :value gym-babes))
)

(def-class minimovers (pre-school-organisations)
)

(def-class parent-and-toddler-groups (pre-school-organisations)
  ((use_for :value mother-and-toddler-groups
    :value toddler-groups
    :value parent-and-toddler-groups
    :value parent-and-baby-groups))
)

(def-class play-groups (pre-school-organisations)
  ((use_for :value playgroups
    :value preschools
    :value playgroups
    :value preschools)
   (has_ecc_a-z :value true))
)

(def-class tumble-tots (pre-school-organisations)
(def-class families (children-and-families)
  ((related_term :value family-counselling
                :value support-groups-and-services
                :value marriage-guidance)
   (use_for :value family
            :value marriage-and-family)))

(def-class couples (families)
  )

(def-class grandparents (families)
  )

(def-class parents (families)
  )

(def-class fathers (parents)
  )

(def-class mothers (parents)
  )

(def-class single-parents (parents)
  )

(def-class step-parents (parents)
  )

(def-class siblings (families)
  )

(def-class stepfamilies (families)
  ((use_for :value step-families)))

(def-class young-people (children-and-families)
  ((related_term :value youth-centres
                 :value business
                 :value public-services
                 :value work-experience-schemes)
   (use_for :value youth)))
(def-class young-people-s-organisations (young-people)
  ((related-term :value hobbies
                 :value cadet-forces
                 :value air-training-corps)
   (use-for :value youth-clubs-and-organisations))
)

(def-class church-youth-groups (young-people-s-organisations)
)

(def-class duke-of-edinburgh-s-award (young-people-s-organisations)
  ((use-for :value duke-of-edinburgh-award
            :value duke-of-edinburghs-award))
)

(def-class operation-raleigh (young-people-s-organisations)
)

(def-class uniformed-youth-groups (young-people-s-organisations)
)

(def-class boys-brigade (uniformed-youth-groups)
  ((use-for :value boy-s-brigade))
)

(def-class girls-brigade (uniformed-youth-groups)
  ((use-for :value girl-s-brigade))
)

(def-class girls-venture-corps (uniformed-youth-groups)
  ((use-for :value girls-s-venture-corps))
)

(def-class guides (uniformed-youth-groups)
  ((use-for :value girl-guides
            :value girlguiding
            :value guides
            :value girlguiding))
)

(def-class brownies (guides)
)

(def-class rainbows (guides)
(def-class rangers (guides))

(def-class scouts (uniformed-youth-groups)
  ((use_for :value boy-scouts
           :value scouting
           :value girls-scouts)))

(def-class air-scouts (scouts))

(def-class beavers (scouts))

(def-class cubs (scouts))

(def-class european-scouts (scouts))

(def-class explorer-scouts (scouts))

(def-class sea-scouts (scouts))

(def-class venture-scouts (scouts))

(def-class woodcraft-folk (young-people-s-organisations))

;;;
;;; In this section are described all relations and classes about the DISABILITY
;;;

(def-class disability (seamless-uk-top-class)
  ((related_term :value employment)))
(def-class access-for-disabled-people (disability)
   ((related-term :value equipment-for-disabled-people
                  :value wheelchair-users
                  :value physically-disabled-people)
    (use-for :value disabled-access))
)

(def-class accessible-buildings (access-for-disabled-people)
   ((use-for :value wheelchair-accessible))
)

(def-class disabled-toilets (accessible-buildings)
)

(def-class accessible-transport (access-for-disabled-people)
   ((related-term :value transport)
    (use-for :value wheelchair-accessible)
    (has-ecc-a-z :value true))
)

(def-class disabled-parking (access-for-disabled-people)
   ((related-term :value parking
                  :value residents-parking-schemes))
)

(def-class disabled-parking-permits (disabled-parking)
   ((use-for :value blue-badge-parking-permits
             :value orange-badge-parking-permits))
)

(def-class grants-for-disabled-access (access-for-disabled-people)
)

(def-class mobility-schemes (access-for-disabled-people)
   ((scope-note :value "includes provision of transport to give access")
)

(def-class shopmobility (mobility-schemes)
   ((use-for :value shop-mobility))
)

(def-class disabled-people (disability)
   ((related-term :value employment
(def-class dyslexic-people (disabled-people)
  ((related-term :value special-educational-needs
                 :value dyslexia))
)

(def-class dyspraxic-people (disabled-people)
)

(def-class learning-disabled-people (disabled-people)
  ((related-term :value learning-difficulties
                 :value special-educational-needs)
   (use-for :value mentally-handicapped-people))
)

(def-class mentally-ill-people (disabled-people)
  ((related-term :value mental-health))
)

(def-class multiple-disabled-people (disabled-people)
  ((use-for :value multiply-disabled-people))
)

(def-class newly-disabled-people (disabled-people)
)

(def-class physically-disabled-people (disabled-people)
  ((related-term :value talking-books
                 :value talking-newspapers
                 :value equipment-for-disabled-people
                 :value access-for-disabled-people)
   (use-for :value physically-handicapped-people))
)

(def-class speech-disordered-people (physically-disabled-people)
  ((use-for :value dumb-people))
)
(def-class stammering (speech-disordered-people))

(def-class wheelchair-users (physically-disabled-people)
 ((related-term :value access-for-disabled-people)))

(def-class sensory-disabled-people (disabled-people)
 ((related-term :value deafness
          :value hearing-aids)))

(def-class deafblind-people (sensory-disabled-people)
 ((use-for :value deaf-blind-people)))

(def-class hearing-impaired-people (sensory-disabled-people)
 ((related-term :value hearing-aids
          :value deaf-clubs
          :value tinnitus)))

(def-class cued-speech (hearing-impaired-people))

(def-class deaf-people (hearing-impaired-people)
 ((related-term :value deaf-clubs
          :value hearing-aids)))

(def-class partially-deaf-people (deaf-people))

(def-class hearing-dogs (hearing-impaired-people))

(def-class lipreading (hearing-impaired-people)
 ((use-for :value lip-reading)))

(def-class sign-language (hearing-impaired-people))

(def-class visually-impaired-people (sensory-disabled-people)
(def-class blind-people (visually-impaired-people)
  ((related_term :value reading-machines))
)

(def-class partially-sighted-people (blind-people)
)

(def-class braille (visually-impaired-people)
)

(def-class guide-dogs (visually-impaired-people)
)

(def-class moon-reading-system (visually-impaired-people)
)

(def-class talking-books (visually-impaired-people)
  ((related_term :value physically-disabled-people))
)

(def-class talking-newspapers (visually-impaired-people)
  ((related_term :value physically-disabled-people))
)

(def-class textphone (visually-impaired-people)
  ((use_for :value minicom))
)

(def-class equipment-for-disabled-people (disability)
  ((related_term :value access-for-disabled-people
                                 :value physically-disabled-people
                                 :value medical-equipment-services)
   (use_for :value disability-equipment)
   (has_ecc_a-z :value true))
)

(def-class alarm-systems (equipment-for-disabled-people)
)

(def-class hearing-aids (equipment-for-disabled-people)
  ((related_term :value sensory-disabled-people
                                 :value physically-disabled-people
                                 :value medical-equipment-services)
   (use_for :value disability-equipment)
   (has_ecc_a-z :value true))
)
(def-class induction-loop-systems (hearing-aids)
  ((use_for :value loop-systems)))
)

(def-class textphones (hearing-aids)
  ((use_for :value minicoms
    :value text-phones)))
)

(def-class hoists (equipment-for-disabled-people)
)

(def-class lifts (equipment-for-disabled-people)
)

(def-class stairlifts (lifts)
  ((use_for :value stair-lifts))
)

(def-class ramps (equipment-for-disabled-people)
  ((use_for :value portable-ramps))
)

(def-class reading-machines (equipment-for-disabled-people)
  ((related_term :value visually-impaired-people
    :value blind-people)
   (scope_note :value "converts displayed characters into braille or sound"))
)

(def-class wheelchair-provision (equipment-for-disabled-people)
)

;;;
;;; EDUCATION CAREERS AND TRAINING
;;;

(def-class education-careers-and-training (seamless-uk-top-class)
  ((related_term :value employment
    :value bullying))
)
(def-class courses-by-outcome (education-careers-and-training)
  ((related_term :value styles-of-study
    :value adult-education
    :value qualifications)
   (use_for :value courses))
)

(def-class a-level-courses (courses-by-outcome)
  ((use_for :value a-levels))
)

(def-class advanced-certificate-course (courses-by-outcome)
)

(def-class as-level-courses (courses-by-outcome)
  ((use_for :value as-levels))
)

(def-class access-courses (courses-by-outcome)
)

(def-class adult-basic-education-courses (courses-by-outcome)
  ((related_term :value adult-education)
   (use_for :value adult-basic-education))
)

(def-class btec-courses (courses-by-outcome)
  ((use_for :value business-and-technology-education-council-courses))
)

(def-class city-and-guilds-courses (courses-by-outcome)
  ((use_for :value c-and-g-courses
    :value city-and-guilds
    :value c-and-g))
)

(def-class common-entrance-exam (courses-by-outcome)
)

(def-class degree-courses (courses-by-outcome)
  ((use_for :value degrees))
)
(def-class first-degree-courses (degree-courses)
   ((use_for :value first-degrees))
)

(def-class masters-degree-courses (degree-courses)
   ((use_for :value masters-degrees))
)

(def-class phd-courses (degree-courses)
   ((use_for :value doctor-of-philosophy-courses))
)

(def-class diploma-courses (courses-by-outcome)
   ((use_for :value diploma))
)

(def-class higher-national-diploma-courses (diploma-courses)
   ((use_for :value hnd-courses
      :value hnd
      :value higher-national-diploma))
)

(def-class eleven-plus-examination (courses-by-outcome)
   ((use_for :value 11+
      :value eleven-plus))
)

(def-class foreign-language-courses (courses-by-outcome)
)

(def-class english-as-a-second-language-courses (foreign-language-courses)
)

(def-class foundation-courses (courses-by-outcome)
   ((use_for :value))
)

(def-class general-certificate-of-secondary-education-courses (courses-by-outcome)
   ((use_for :value gcse-courses
      :value gcse))
)

(def-class higher-national-certificate-courses (courses-by-outcome)
   ((use_for :value hnc-courses))
(def-class kumon-maths-courses (courses-by-outcome)
 (related_term :value activities-for-children))
)

(def-class national-vocational-qualification-courses (courses-by-outcome)
 (use_for :value nvq-courses
  :value national-vocational-qualifications
  :value nvq))
)

(def-class general-national-vocational-qualification-courses (national-vocational-
qualification-courses)
 (use_for :value gnvq-courses))
)

(def-class open-university-courses (courses-by-outcome)
)

(def-class royal-society-of-arts-courses (courses-by-outcome)
 (use_for :value rsa-courses
  :value royal-society-of-arts
  :value rsa))
)

(def-class secretarial-courses (courses-by-outcome)
 (related_term :value business-administration))
)

(def-class shorthand-courses (secretarial-courses)
)

(def-class typing-courses (secretarial-courses)
)

(def-class university-certificate-of-higher-education-courses (courses-by-outcome)
 (use_for :value university-certificate-of-higher-education))
)

(def-class people-in-education (education-careers-and-training)
)

(def-class governors (people-in-education)
 (use_for :value school-governors)
(def-class parent-staff-associations (people-in-education)
  ((use_for :value parent-teacher-associations
            :value school-friends-organisations)))

(def-class students (people-in-education)
  ((related_term :value pupil-support-services)))

(def-class pupils (students))

(def-class gifted-children (pupils))

(def-class old-pupil-organisations (pupils))

(def-class teaching-staff (people-in-education))

(def-class lecturers (teaching-staff))

(def-class teachers (teaching-staff))

(def-class headteachers (teachers)
  ((use_for :value head-teachers)))

(def-class tutors (people-in-education)
  ((related_term :value private-tuition)
   (use_for :value private-tutors)))

(def-class styles-of-study (education-careers-and-training)
  ((related_term :value courses-by-outcome)))

(def-class alternative-year-11 (styles-of-study))
(def-class correspondence-courses (styles-of-study))

(def-class distance-learning (styles-of-study)
  ((related_term :value self-study)))

(def-class evening-classes (styles-of-study)
  ((related_term :value day-courses)))

(def-class full-time-courses (styles-of-study)
  ((use_for :value full-time-classes)))

(def-class short-full-time-courses (full-time-courses)
  ((use_for :value short-full-time-classes)))

(def-class home-teaching (styles-of-study))

(def-class lifelong-learning (styles-of-study))

(def-class open-learning (styles-of-study))

(def-class part-time-courses (styles-of-study))

(def-class day-courses (part-time-courses)
  ((related_term :value evening-classes)
   (use_for :value part-time-day-classes
            :value day-classes)))

(def-class weekend-courses (part-time-courses)
  ((use_for :value weekend-classes)))

(def-class private-tuition (styles-of-study)
  ((related_term :value tutors)))
(def-class self-study (styles-of-study)
  ((related_term :value distance-learning)))

(def-class adult-education (education-careers-and-training)
  ((related_term :value adult-basic-education-courses
    :value courses-by-outcome)
   (use_for :value community-education
    )
   (has_ecc_a-z :value true))
  )

(def-class adult-education-centres (adult-education)
  )

(def-class community-education-centres (adult-education)
  )

(def-class university-of-the-third-age (adult-education)
  ((related_term :value older-people)
   (use_for :value u3a))
  )

(def-class workers-educational-association (adult-education)
  ((use_for :value wea))
  )

(def-class careers (education-careers-and-training)
  ((related_term :value training
    :value counselling
    :value job-hunting))
  )

(def-class careers-advice (careers)
  ((related_term :value jobseekers)
   (use_for :value careers-counselling
    :value careers-guidance
    :value careers-service))
  )

(def-class careers-centres (careers)
  ((related_term :value advice-centres))
  )
(def-class careers-guidance (careers))

(def-class careers-information (careers))

(def-class education-administration (education-careers-and-training))

(def-class schools-by-funding (education-administration))

(def-class grant-maintained-schools (schools-by-funding))

(def-class independent-schools (schools-by-funding))

(def-class state-schools-funded-by-the-local-authority (schools-by-funding))

(def-class voluntary-aided-schools (schools-by-funding))

(def-class voluntary-controlled-schools (schools-by-funding))

(def-class schools-by-type (education-administration))

(def-class catholic-schools (schools-by-type))

(def-class church-of-england-schools (schools-by-type))

(def-class county-schools (schools-by-type))

(def-class first-schools (schools-by-type))

(def-class foundation-schools (schools-by-type))
(def-class high-schools (schools-by-type))

(def-class infant-schools (schools-by-type))

(def-class junior-schools (schools-by-type))

(def-class language-schools (schools-by-type))

(def-class middle-schools (schools-by-type))

(def-class montessori-schools (schools-by-type))

(def-class nursery-schools (schools-by-type))

(def-class primary-schools (schools-by-type)
  ((related_term :value primary-education)))

(def-class public-schools (schools-by-type))

(def-class religious-schools (schools-by-type))

(def-class secondary-schools (schools-by-type)
  ((related_term :value secondary-education)))

(def-class selective-schools (schools-by-type))

(def-class special-schools (schools-by-type))

(def-class state-schools (schools-by-type))
(def-class study-centres (schools-by-type))

(def-class supplementary-schools (schools-by-type))

(def-class education-funding (education-administration))

(def-class education-scholarships (education-funding))

(def-class education-trust-funds (education-funding))

(def-class grants-for-students (education-funding)
  ((use_for :value student-grants
           :value awards-for-students
           :value educational-awards)
   (has_ecc_a-z :value true)))

(def-class national-curriculum (education-administration)
  ((related_term :value primary-education
                 :value secondary-education)))

(def-class primary-school-subjects (national-curriculum))

(def-class secondary-school-subjects (national-curriculum))

(def-class standard-attainment-tests (national-curriculum)
  ((use_for :value sats)))

(def-class pupil-support-services (education-administration)
  ((related_term :value education-services
                 :value students)))

(def-class schools (education-administration))
(def-class schools-admissions-policy (education-administration)
  ((use_for :value schools-admission-appeals
     :value pupil-admissions-services
     :value pupil-admission-services
     :value schools-admission))
)

(def-class schools-discipline-policy (education-administration)
  ((use_for :value schools-attendance-policy))
)

(def-class truancy (schools-discipline-policy)
  )

(def-class schools-exclusion-policy (education-administration)
  ((use_for :value exclusion))
)

(def-class schools-inspection-policy (education-administration)
  )

(def-class school-inspection-reports (schools-inspection-policy)
  ((use_for :value ofsted-reports
     :value inspection-reports))
)

(def-class further-education (education-careers-and-training)
  )

(def-class colleges (further-education)
  )

(def-class secretarial-colleges (colleges)
  )

(def-class sixth-form-colleges (colleges)
  )

(def-class technology-colleges (colleges)
  )

(def-class tertiary-colleges (colleges)
  )

(def-class learning-and-skills-council (further-education)
  )
((use_for :value training-and-enterprise-council :value tec))

(def-class technology-centres (further-education))

(def-class higher-education (education-careers-and-training))

(def-class research-centres (higher-education))

(def-class universities (higher-education))

(def-class learning-skills (education-careers-and-training))

(def-class examination-skills (learning-skills))

(def-class learning-difficulties (learning-skills)
  ((related_term :value learning-disabled-people))
)

(def-class dyslexia (learning-difficulties)
  ((related_term :value dyslexic-people))
)

(def-class special-educational-needs (learning-difficulties)
  ((related_term :value dyslexic-people :value learning-disabled-people)
    (use_for :value sen :value special-education-needs :value special-needs-education))
)

(def-class special-needs-education (learning-difficulties)
  ((has_ecc_a-z :value true))
)

(def-class literacy (learning-skills))

(def-class reading-skills (literacy))

(def-class spelling-skills (literacy))

(def-class national-grid-for-learning (learning-skills))

(def-class numeracy (learning-skills))

(def-class parenting-courses (learning-skills)
  ((related_term :value children-and-families)
   (use_for :value parent-craft)))

(def-class study-skills (learning-skills))

(def-class verbal-reasoning (learning-skills))

(def-class writing-skills (learning-skills))

(def-class pre-school-education (education-careers-and-training)
  ((related_term :value pre-school-children)
   (use_for :value early-years-development :value nursery-education)))

(def-class primary-education (education-careers-and-training)
  ((related_term :value primary-schools :value national-curriculum)
   (has_ecc_a-z :value true)))

(def-class qualifications (education-careers-and-training)
  ((related_term :value courses-by-outcome)))

(def-class professional-qualifications (qualifications))

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(def-class secondary-education (education-careers-and-training)
  ((related_term :value secondary-schools
    :value national-curriculum)
   (has_ecc_a-z :value true))
)

(def-class training (education-careers-and-training)
  ((related_term :value employment
    :value careers
    :value youth-training-schemes))
)

(def-class apprenticeships (training)
  ((use_for :value modern-apprenticeships))
)

(def-class assertiveness-training (training)
  )

(def-class business-training (training)
  ((related_term :value office-skills))
)

(def-class business-studies (business-training)
  ((related_term :value business-administration
    :value accounting
    :value book-keeping
    :value computerised-accounting
    :value marketing
    :value manufacturing
    :value reception-duties
    :value shorthand
    :value typing
    :value warehousing))
)

(def-class communication-skills (training)
  ((related_term :value public-speaking))
)

(def-class speech-training (communication-skills)
  ((related_term :value drama)
   (use_for :value speech))
)
(def-class elocution (speech-training) )

(def-class voice-training (speech-training)
   ((related_term :value drama)) )

(def-class computer-training (training) )

(def-class personal-development (training) )

(def-class training-centres (training) )

(def-class adult-training-centres (training-centres) )

(def-class work-based-learning (training)
   ((use_for :value work-based-learning)))

;;;
;;; We represent, in this section, ENVIRONMENT AND TRANSPORTS
;;;

(def-class environment-and-transport (seamless-uk-top-class)
   ((related_term :value environmental-services)
   (use_for :value built-environment)))

(def-class agriculture (environment-and-transport)
   ((related_term :value animals
   :value animal-feed-compounding-licences))
)

(def-class animal-breeding (agriculture)
   ((related_term :value pets)
   (use_for :value breeding-animals)))
(def-class animal-breeding-licences (animal-breeding)
  ((use_for :value dog-breeding-licences))
)

(def-class animal-husbandry (agriculture)
  ((related_term :value trading-standards)
   (use_for :value animal-rearing
     :value animal-health
     :value animal-welfare))
)

(def-class arboriculture (agriculture)
)

(def-class beekeeping (agriculture)
  ((related_term :value bees)
   (use_for :value bee-keeping))
)

(def-class cattle (agriculture)
)

(def-class farming (agriculture)
)

(def-class arable-farming (farming)
)

(def-class genetically-modified-crops (arable-farming)
  ((related_term :value organic-produce)
   (use_for :value gm-crops))
)

(def-class grazing (arable-farming)
  ((related_term :value horses))
)

(def-class crop-spraying (farming)
)

(def-class farm-machinery (farming)
)

(def-class tractors (farm-machinery)
)
(def-class farms (farming))

(def-class forestry (agriculture))

(def-class horses (agriculture)
  ((related_term :value grazing-licences :value grazing)))

(def-class poultry (agriculture))

(def-class chickens (poultry))

(def-class vineyards (agriculture)
  ((related_term :value wine-making)
   (use_for :value viniculture)))

(def-class civic-societies (environment-and-transport)
  ((related_term :value planning :value housing :value conservation)))

(def-class village-societies (civic-societies))

(def-class conservation (environment-and-transport)
   (has_ecc_a-z :value true)))

(def-class building-preservation (conservation))
(def-class listed-buildings (building-preservation)
  ((related_term :value historic-buildings)
   (has_ecc_a-z :value true)))
)

(def-class conservation-grants (conservation)
)

(def-class energy-conservation (conservation)
  ((related_term :value energy
    :value housing)))
)

(def-class footpath-preservation (conservation)
)

(def-class bridleway-preservation (footpath-preservation)
)

(def-class marine-conservation (conservation)
)

(def-class nature-conservation (conservation)
  ((related_term :value waterway-preservation
    :value countryside
    :value coasts
    :value wildlife)
   (has_ecc_a-z :value true)))
)

(def-class coastal-protection (nature-conservation)
  ((related_term :value coasts)))
)

(def-class sea-defences (coastal-protection)
  ((use_for :value sea-walls)))
)

(def-class countryside-preservation (nature-conservation)
  ((related_term :value countryside)
   (use_for :value countryside-management)))
)

(def-class hedgerows (countryside-preservation)
)
(def-class ponds (countryside-preservation))

(def-class nature-reserves (nature-conservation))

(def-class trees (nature-conservation)
  ((use_for :value tree-conservation)))

(def-class tree-planting (trees))

(def-class tree-preservation-orders (trees))

(def-class village-preservation (conservation))

(def-class waterway-preservation (conservation)
  ((related_term :value nature-conservation)
    (use_for :value waterways-preservation)))

(def-class horticulture (environment-and-transport)
  ((related_term :value gardening)))

(def-class allotments (horticulture)
  ((related_term :value gardening)))

(def-class housing (environment-and-transport)
  ((related_term :value financial-advice
    :value housing-services
    :value conveyancing
    :value housing-benefits
    :value resident-s-associations
    :value poverty
    :value civic-societies
    :value homelessness))
(def-class types-of-housing (housing)
  ((related_term :value bed-and-breakfast))
)

(def-class almshouses (types-of-housing)
)

(def-class council-housing (types-of-housing)
  ((related_term :value rented-housing)
   (use_for :value local-authority-housing
     :value council-housing-applications
     :value housing-applications))
)

(def-class housing-exchanges (council-housing)
  ((use_for :value mutual-exchanges
    :value council-house-exchanges
    :value housing-transfers))
)

(def-class housing-register (council-housing)
  ((use_for :value housing-waiting-lists
    :value housing-allocations
    :value council-house-waiting-lists))
)

(def-class housing-transfers (council-housing)
  ((use_for :value council-house-transfers))
)

:use_for :value accommodation
  :value unfit-housing
  :value defective-housing))

(def-class right-to-buy (council-housing)
  ((use_for :value council-house-sales))
)

(def-class freehold-housing (types-of-housing)
  ((related_term :value business-premises))
)

(def-class hostels (types-of-housing)
  )

(def-class refuges (hostels)
  )

(def-class shelters (hostels)
  ((use_for :value night-shelters))
)

(def-class houseboats (types-of-housing)
  )

(def-class housing-associations (types-of-housing)
  )

(def-class housing-cooperatives (types-of-housing)
  )

(def-class leasehold-housing (types-of-housing)
  ((related_term :value business-premises))
)

(def-class mobile-homes (types-of-housing)
  ((related_term :value caravans))
)

(def-class mobile-homes-licences (mobile-homes)
  )

(def-class private-housing (types-of-housing)
  ((use_for :value private-sector-housing))
)

(def-class rehabilitation-centres (types-of-housing)
  )
(def-class rented-housing (types-of-housing)
  ((related_term :value council-housing)
   (use_for :value property-to-rent
     :value renting))
)

(def-class landlords (rented-housing)
)

(def-class letting (rented-housing)
  ((use_for :value choice-based-lettings))
)

(def-class rent (rented-housing)
)

(def-class rent-arrears (rent)
  ((related_term :value debt-advice))
)

(def-class rent-payment (rent)
)

(def-class tenancies (rented-housing)
)

(def-class assured-shorthold-tenancies (tenancies)
  ((use_for :value assured-short-hold-tenancies))
)

(def-class assured-tenancies (tenancies)
)

(def-class tenants (tenancies)
)

(def-class residential-homes (types-of-housing)
  ((related_term :value housing-benefits)
   (use_for :value elderly-people-s-homes
     :value old-people-s-homes
     :value residential-homes-elderly-people
     :value elderly-homes-and-accommodation
     :value older-people-homes-and-accommodation))
)
(def-class elderly-people-s-homes (residential-homes))

(def-class old-people-s-homes (residential-homes))

(def-class residential-homes-elderly-people (residential-homes))

(def-class elderly-homes-and-accommodation (residential-homes))

(def-class older-people-homes-and-accommodation (residential-homes))

(def-class nursing-homes (residential-homes)
  (related_term :value housing-benefits)
  (use_for :value nursing-homes-elderly))

(def-class nursing-homes-elderly (nursing-homes))

(def-class sheltered-housing (types-of-housing)
  (use_for :value sheltered-accommodation))

(def-class supported-housing (sheltered-housing))

(def-class warden-assisted-housing (sheltered-housing))

(def-class social-housing (types-of-housing))

(def-class temporary-accommodation (types-of-housing))

(def-class unoccupied-property (types-of-housing)
  (use_for :value unoccupied-houses
    :value empty-properties))
(def-class building-work (housing)
   ((related_term :value conservation
      :value home-improvement-grants)
    (use_for :value renovation))
   )

(def-class builders (building-work)
   )

(def-class building-alterations (building-work)
   ((related_term :value decoration-allowance)
    (use_for :value renovation
      :value home-renovation
      :value house-renovation
      :value conversions
      :value loft-conversions))
   )

(def-class building-regulations (building-work)
   )

(def-class building-inspection-service (building-regulations)
   )

(def-class building-sites (building-inspection-service)
   )

(def-class building-repairs (building-work)
   ((related_term :value housing-benefits)
    (use_for :value house-defects
      :value defects
      :value house-repairs))
   )

(def-class damp (building-repairs)
   )

(def-class mould (building-repairs)
   )

(def-class extensions (building-work)
   )
(def-class heating (building-work)  
  ((use_for :value central-heating)))

(def-class house-renovation (building-work)  
  ((use_for :value home-renovation)))

(def-class insulation (building-work))

(def-class double-glazing (insulation))

(def-class interior-decoration (building-work)  
  ((related_term :value do-it-yourself)))

(def-class self-build-projects (building-work)  
  ((use_for :value build-your-own-house)))

(def-class garages (housing)  
  ((use_for :value garage-allocations)))

(def-class home-ownership (housing)  
  ((use_for :value homeownership)))

(def-class property-for-sale (home-ownership))

(def-class repossession (home-ownership)  
  ((related_term :value homelessness  
    :value mortgages)))

(def-class shared-ownership (home-ownership)  
  ((use_for :value multiple-occupancy  
    :value houses-in-multi-occupancy  
    :value hmo)))

(def-class home-security (housing)
(def-class burglar-alarms (home-security))

(def-class carbon-monoxide-detectors (home-security))

(def-class smoke-detectors (home-security))

(def-class mineral-extraction (environment-and-transport)
  ((related_term :value environmental-services :value quarrying)
   (has_ecc_a-z :value true)))

(def-class natural-world (environment-and-transport)
  ((related_term :value conservation :value places-to-visit)
   (use_for :value natural-history :value ecology)))

(def-class areas-of-outstanding-natural-beauty (natural-world)
  ((related_term :value places-to-visit)))

(def-class areas-of-special-scientific-interest (natural-world)
  ((related_term :value places-to-visit)))

(def-class climate (natural-world)
  ((use_for :value weather)))

(def-class drought (climate))

(def-class flooding (climate)
  ((related_term :value emergency-planning :value emergency-contacts)))

(def-class flood-alert-services (flooding))
(def-class sandbag-provision (flooding))

(def-class weather-forecasts (climate))

(def-class rights-of-way (natural-world)
  ((related-term :value conservation)
   (use-for :value public-rights-of-way)
   (has-ecc-a-z :value true)))

(def-class bridleways (rights-of-way)
  ((has-ecc-a-z :value true)))

(def-class bridleways-preservation (bridleways)
  ((use-for :value bridleway-preservation)))

(def-class footpaths (rights-of-way)
  ((use-for :value public-footpaths :value walks)
   (has-ecc-a-z :value true)))

(def-class footpaths-preservation (footpaths)
  ((use-for :value footpath-preservation)))

(def-class wildlife (natural-world)
  ((related-term :value pets :value animal-welfare-organisations :value nature-conservation)))

(def-class animals (wildlife)
(def-class mammals (animals))

(def-class badgers (mammals))

(def-class bats (mammals))

(def-class dolphins (mammals))

(def-class whales (mammals))

(def-class birds (wildlife)
  ((related-term :value birdwatching
      :value pets
      :value bird-keeping
      :value aviaries
      :value cage-birds))
)

(def-class swans (birds))

(def-class insects (wildlife))

(def-class bees (insects)
  ((related-term :value beekeeping
      :value pest-control-services))
)

(def-class butterflies (insects))

(def-class moths (insects))

(def-class planning (environment-and-transport)
  ((related-term :value architecture
      :value architectural-services
      :value architectural-design
      :value engineering))
)
:value conservation
:value housing-services
:value planning-services
:value property-services
:value civic-societies
:value advice-services
:value highway-services)
)

(def-class advertising-hoardings (planning)
)

(def-class banners (advertising-hoardings)
)

(def-class agenda-21 (planning)
  ((use_for :value local-agenda-21))
)

(def-class biodiversity-plans (planning)
)

(def-class maps (planning)
)

(def-class planning-development (planning)
)

(def-class land-management (planning-development)
)

(def-class land-searches (planning-development)
)

(def-class vacant-land-register (land-searches)
  ((related_term :value land-registration))
)

(def-class rural-development (planning-development)
)

(def-class town-planning (planning-development)
)

(def-class urban-development (planning-development)
(def-class structure-plans (planning)
 (has_ecc_a-z :value true))
)

(def-class county-plans (structure-plans)
)

(def-class local-plans (structure-plans)
 (use_for :value local-development-plans
 :value unitary-development-plans
 :value district-plans))
)

(def-class pollution (environment-and-transport)
 (related_term :value waste-management)
 (has_ecc_a-z :value true))
)

(def-class air-pollution (pollution)
 (use_for :value air-quality)
 (has_ecc_a-z :value true))
)

(def-class asbestos (air-pollution)
 (related_term :value housing
 :value business-premises))
)

(def-class bonfires (air-pollution)
)

(def-class car-exhaust-fumes (air-pollution)
)

(def-class chlorofluorocarbons (air-pollution)
 (related_term :value electrical-appliance-recycling)
 (use_for :value cfc-s))
)

(def-class smoke (air-pollution)
)

(def-class smoke-emissions (smoke)
(def-class sulphur-dioxide-pollution (air-pollution))

(def-class contaminated-land (pollution))

(def-class beach-cleaning (contaminated-land))

(def-class chemical-spillage (contaminated-land)
  ((use_for :value chemical-pollution :value toxic-substances)))

(def-class dog-fouling (contaminated-land))

(def-class oil-spillage (contaminated-land))

(def-class fly-posting (pollution)
  ((use_for :value flyposting)))

(def-class graffiti (pollution)
  ((use_for :value graffiti-removal)))

(def-class noise-pollution (pollution)
  ((use_for :value noise-nuisance)))

(def-class water-pollution (pollution)
  ((related_term :value utilities
    :value waterways
    :value water
    :value sewage)
  (use_for :value safe-water)))

(def-class lead-in-water (water-pollution)
  ((related_term :value drinking-water)))
(def-class quarrying (environment-and-transport)
  ((related-term :value environmental-services
    :value mineral-extraction)
   (has-ecc-a-z :value true)))
)

(def-class transport (environment-and-transport)
  ((related-term :value accessible-transport
    :value travel-concessions)
   (has-ecc-a-z :value true)))
)

(def-class transport-infrastructure(transport)
  )

(def-class bridges (transport-infrastructure)
  ((use-for :value foot-bridges))
  )

(def-class bridge-maintenance (bridges)
  ((has-ecc-a-z :value true))
  )

(def-class roads (transport-infrastructure)
  ((use-for :value highways)
   (has-ecc-a-z :value true))
  )

(def-class adopted-roads (roads)
  ((use-for :value adopted-highways))
  )

(def-class cycle-paths (roads)
  ((use-for :value cycle-ways
    :value cycle-routes)
   (has-ecc-a-z :value true))
  )

(def-class cycle-tracks (roads)
  ((related-term :value sports-facilities))
  )

(def-class pavements (roads)
  ((use-for :value footpaths

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(def-class dropped-kerbs (pavements))

(def-class pedestrian-crossings (roads)
  ((use_for :value zebra-crossings
          :value pelican-crossings)
   (has_ecc_a-z :value true))
)

(def-class road-maintenance (roads)
  ((related_term :value highway-services)
   (use_for :value street-repairs
            :value roads-maintenance)
   (has_ecc_a-z :value true))
)

(def-class grass-verges (road-maintenance))

(def-class gully-cleansing (road-maintenance)
  ((use_for :value gully-emptying))
)

(def-class hedge-cutting (road-maintenance))

(def-class manhole-covers (road-maintenance))

(def-class pot-holes (road-maintenance)
  ((use_for :value potholes
            :value pothole-repairs
            :value pot-hole-repairs))
)

(def-class road-building (road-maintenance))

(def-class road-gritting (road-maintenance)
  ((use_for :value icy-roads)
(has_ecc_a-z :value true))

(def-class road-markings (road-maintenance)
  ((use_for :value white-lines
            :value yellow-lines)))

(def-class road-naming (road-maintenance)
  )

(def-class road-signs (road-maintenance)
  ((has_ecc_a-z :value true)))

(def-class road-works (road-maintenance)
  )

(def-class roadside-vegetation (road-maintenance)
  )

(def-class snow-clearing (road-maintenance)
  ((has_ecc_a-z :value true)))

(def-class street-cleaning (road-maintenance)
  ((use_for :value street-cleansing
            :value road-sweeping)))

(def-class street-furniture (road-maintenance)
  )

(def-class street-lighting (road-maintenance)
  ((use_for :value lamp-posts)
    (has_ecc_a-z :value true)))

(def-class traffic-calming (road-maintenance)
  )

(def-class traffic-signals (road-maintenance)
  ((use_for :value traffic-lights
            :value traffic-lights-fault-line
            :value traffic-light-repairs))

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(def-class traffic-signs (road-maintenance))

(def-class speed-limits (roads))

(def-class unadopted-roads (roads)
  ((use_for :value unadopted-highways)))

(def-class traffic-management (transport-infrastructure)
  ((has_ecc_a-z :value true)))

(def-class air-transport (transport)
  ((use_for :value air-travel
            :value aviation)))

(def-class airports (air-transport))

(def-class flight-timetables (air-transport)
  ((use_for :value air-timetables)))

(def-class heliports (air-transport))

(def-class public-transport (transport)
  ((related_term :value road-transport)
   (use_for :value passenger-transport)))

(def-class buses (public-transport)
  ((related_term :value road-transport)
   (use_for :value bus-travel)))

(def-class bus-companies (buses))

(def-class bus-passes (buses))
((related_term :value school-buses)  
(use_for :value school-bus-passes))

(defun concessionary-fares (bus-passes)  
((use_for :value concessionary-passes  
:value travel-tokens))

(defun bus-shelters (buses))  

(defun bus-stations (buses))  

(defun bus-timetables (buses))  

(defun community-buses (buses)  
((use_for :value community-transport)  
(has_ecc_a-z :value true))

(defun school-buses (community-buses)  
((related_term :value bus-passes)  
(use_for :value school-transport))

(defun walking-buses (community-buses)  
((related_term :value children  
:value school-crossing-patrols))

(defun rail-transport (public-transport)  
((use_for :value rail-travel  
:value railways))

(defun rail-commuters (rail-transport))

(defun rail-safety (rail-transport))

(defun rail-travel-passes (rail-transport))
((use_for :value rail-passes))
)

(def-class railway-companies (rail-transport)
)

(def-class railway-timetables (rail-transport)
  ((use_for :value recorded-timetables))
)

(def-class railway-user-groups (rail-transport)
  ((use_for :value passenger-groups))
)

(def-class trams (public-transport)
)

(def-class road-transport (transport)
  ((related_term :value road-safety
                     :value highway-services
                     :value buses
                     :value public-transport))
)

(def-class bicycles (road-transport)
  ((related_term :value cycling
                 :value bicycle-maintenance))
)

(def-class cars (road-transport)
  ((related_term :value driving-tests))
)

(def-class abandoned-cars (cars)
  ((use_for :value abandoned-vehicles
            :value dumped-cars
            :value dumped-vehicles))
)

(def-class car-hire (cars)
)

(def-class commuters (cars)
)
(def-class in-car-safety (cars))

(def-class children-s-seats (in-car-safety))

(def-class mot-tests (cars))

(def-class coaches (road-transport)
  ((use_for :value coach-travel)))

(def-class coach-companies (coaches))

(def-class coach-timetables (coaches))

(def-class lorries (road-transport)
  ((use_for :value trucks)))

(def-class military-vehicles (road-transport))

(def-class motor-cycles (road-transport)
  ((related_term :value motor-cycle-proficiency-tests
    :value motor-cycle-racing)
   (use_for :value motor-bikes
     :value motorbikes
     :value motorcycles
     :value motorcycling)))

(def-class parking (road-transport)
  ((related_term :value disabled-parking)))

(def-class car-parks (parking)
  ((use_for :value public-car-parks
    :value public-parking
    :value off-street-parking)))
(def-class parking-fees (car-parks)
  ((use_for :value parking-charges)))
)

(def-class season-tickets (parking-fees)
)

(def-class controlled-parking-zones (parking)
)

(def-class park-and-ride-schemes (parking)
)

(def-class parking-fines (parking)
  ((use_for :value penalty-charges
   :value parking-tickets)))
)

(def-class residents-parking-schemes (parking)
  ((related_term :value disabled-parking)
   (use_for :value residents-permits)))
)

(def-class road-safety (road-transport)
  ((related_term :value cycling
    :value road-transport)
   (has_ecc_a-z :value true)))
)

(def-class accident-prevention (road-safety)
)

(def-class cycling-proficiency-tests (road-safety)
  ((related_term :value cycling)))
)

(def-class driving-tests (road-safety)
  ((related_term :value cars)))
)

(def-class advanced-driving-tests (driving-tests)
)

(def-class motor-cycle-proficiency-tests (road-safety)
  ((related_term :value motor-cycles))
(def-class pedestrian-safety (road-safety))

(def-class road-traffic-accidents (road-safety))

(def-class school-crossing-patrols (road-safety)
  ((related_term :value walking-buses)
   (has_ecc_a-z :value true)))

(def-class taxis (road-transport)
  ((use_for :value dial-a-ride
     :value minicabs))

(def-class dial-a-ride (taxis)
  ((use_for :value dial-a-ride))

(def-class minibuses (taxis))

(def-class taxi-ranks (taxis))

(def-class travel-clubs (transport))

(def-class travel-information (transport)
  ((has_ecc_a-z :value true))

(def-class water-transport (transport)
  ((related_term :value rivers))

(def-class barges (water-transport))
(def-class boats (water-transport)
  ((related_term :value boating)
   (use_for :value boat-travel)))
)

(def-class narrowboats (boats)
  ((related_term :value canals)
   (use_for :value narrow-boats)))
)

(def-class ferries (water-transport)
)

(def-class harbours (water-transport)
)

(def-class harbour-masters (harbours)
)

(def-class ports (water-transport)
)

(def-class port-authorities (ports)
)

(def-class ships (water-transport)
)

(def-class waterways (water-transport)
  ((related_term :value water-pollution
               :value rivers
               :value places-to-visit)))
)

(def-class canals (waterways)
  ((related_term :value narrowboats)))
)

(def-class inland-waterways (waterways)
)

(def-class moorings (inland-waterways)
)

(def-class utilities (environment-and-transport)
((related_term :value water-pollution
    :value advice-services))
)

(def-class energy (utilities)
    ((related_term :value energy-conservation))
)

(def-class alternative-energy (energy)
)

(def-class electricity (energy)
)

(def-class energy-efficiency (energy)
)

(def-class gas (energy)
    ((related_term :value housing
        :value business-premises))
)

(def-class appliance-safety (gas)
)

(def-class gas-escapes (gas)
    ((use_for :value gas-leaks))
)

(def-class gas-repairs (gas)
    ((related_term :value housing))
)

(def-class water (utilities)
    ((related_term :value water-pollution
        :value sewage))
)

(def-class drains (water)
    ((use_for :value main-drainage))
)

(def-class blockages (drains)
)
(def-class drinking-water (water)
 ((related_term :value lead-in-water)))
)

(def-class garden-hoses (water)
)

(def-class garden-hose-licences (garden-hoses)
)

(def-class water-meters (water)
)

(def-class waste-management (environment-and-transport)
 ((related_term :value pollution
 :value land-fill-tax)
 (has_ecc_a-z :value true)))
)

(def-class recycling (waste-management)
 ((related_term :value refuse-disposal
 :value civic-amenity-sites)
 (use_for :value recycling-sites
 :value recycling-centres)
 (has_ecc_a-z :value true)))
)

(def-class compost-bins (recycling)
)

(def-class electrical-appliance-recycling (recycling)
 ((related_term :value chlorofluorocarbons
 :value special-refuse-collections)
 (use_for :value white-good-recycling))
)

(def-class freezer-recycling (electrical-appliance-recycling)
 ((use_for :value freezer-disposal))
)

(def-class fridge-recycling (electrical-appliance-recycling)
 ((use_for :value (refrigerator-recycling)
 :value (fridge-disposal)
 :value refrigerator-disposal)))
(def-class glass-recycling (recycling))

(def-class bottle-banks (glass-recycling)
   ((has_ecc_a-z :value true)))

(def-class metal-recycling (recycling)
   ((related_term :value scrap-metal-collection)
     (use_for :value scrap-metal-recycling)))

(def-class can-banks (metal-recycling))

(def-class drinks-can-recycling (can-banks))

(def-class food-can-recycling (can-banks))

(def-class scrap-metal-dealers-licences (metal-recycling))

(def-class tinfoil-recycling (metal-recycling))

(def-class oil-recycling (recycling)
   ((use_for :value oil-disposal)))

(def-class paper-recycling (recycling)
   ((use_for :value magazines
              :value newspapers)))

(def-class book-banks (paper-recycling))

(def-class cardboard-recycling (paper-recycling))

(def-class shredding (paper-recycling))
(def-class plastic-recycling (recycling))

(def-class recycling-collection-schemes (recycling))

(def-class textile-recycling (recycling))

(def-class clothing-recycling (textile-recycling))

(def-class refuse-collection (waste-management)
  ((related_term :value refuse-disposal)
   (use_for :value litter-collection
     :value litter-removal
     :value rubbish-collection
     :value waste-collection
     :value cleansing-services)
   (has_ecc_a-z :value true)))

(def-class dustbins (refuse-collection)
  ((related_term :value garden-refuse-disposal
    :value household-refuse-disposal)
   (use_for :value wheelie-bins
     :value black-bins
     :value brown-bins)))

(def-class bin-bags (dustbins)
  ((use_for :value dustbin-bags
    :value trade-bags
    :value black-bags)))

(def-class dustbin-collection-services (dustbins)
  ((use_for :value missed-bins
    :value missed-dustbin-collections)))

(def-class garden-refuse-bags (dustbins))
(def-class skip-hire (refuse-collection))

(def-class special-refuse-collections (refuse-collection)
  ((related_term :value electrical-appliance-recycling
    :value refuse-disposal)
   (use_for :value bulky-waste))
)

(def-class furniture-disposal (special-refuse-collections)
)

(def-class scrap-metal-collection (special-refuse-collections)
  ((related_term :value metal-recycling))
)

(def-class refuse-disposal (waste-management)
  ((related_term :value hazardous-waste
    :value recycling
    :value refuse-collections
    :value special-refuse-collections
    :value combustion-processes-licences
    :value waste-oil-burning-licences)
   (use_for :value waste-disposal
     :value rubbish-disposal))
)

(def-class business-refuse-disposal (refuse-disposal)
  ((use_for :value trade-waste-disposal
    :value trade-waste))
)

(def-class civic-amenity-sites (refuse-disposal)
  ((related_term :value recycling)
   (use_for :value dumps
     :value household-waste-sites
     :value refuse-tips
     :value tips
     :value civic-amenity-centres
     :value amenity-recycling-sites
     :value civic-and-amenity-recycling-sites
     :value rubbish-tips))
)
(def-class combustion-processes-licencing (refuse-disposal)
   ((related_term :value incineration)))
)

(def-class disposal-of-dead-animals (refuse-disposal)
   ((scope_note :value "reporting and removal"))
)

(def-class fly-tipping (refuse-disposal)
   ((use_for :value dumped-rubbish :value flytipping))
)

(def-class garden-refuse-disposal (refuse-disposal)
   ((related_term :value dustbins)
    (use_for :value garden-waste-disposal :value garden-rubbish-disposal))
)

(def-class household-refuse-disposal (refuse-disposal)
   ((related_term :value dustbins)
    (use_for :value household-rubbish :value household-waste))
)

(def-class land-fill-sites (refuse-disposal)
)

(def-class litter (refuse-disposal)
   ((related_term :value complaints-advice))
)

(def-class litter-bins (litter)
)

(def-class sewage (refuse-disposal)
   ((related_term :value water :value water-pollution)
    (use_for :value effluent))
)

(def-class cess-pools (sewage)
   ((use_for :value cess-pits :value cesspools))
)
(def-class pumping-stations (sewage))

(def-class septic-tanks (sewage))

(def-class sewer-blockages (sewage))

(def-class sewer-jetting (sewage))

(def-class toxic-waste-disposal (refuse-disposal)
  ((use_for :value hazardous-waste
            :value dangerous-waste
            :value poisonous-waste)))

(def-class blood-clean-up-service (toxic-waste-disposal)
  ((related_term :value acquired-immune-deficiency-syndrome)))

(def-class clinical-waste-disposal (toxic-waste-disposal))

(def-class incineration (toxic-waste-disposal)
  ((related_term :value combustion-processes-licencing
                 :value combustion-processes-licences
                 :value waste-oil-burning-licences)))

(def-class radioactive-material-disposal (toxic-waste-disposal))

;;; ; ETHNIC ORIGIN and LANGUAGE ;;;

(def-class ethnic-origin-and-language (seamless-uk-top-class))

(def-class ethnic-origin (ethnic-origin-and-language))
((related_term :value ethnic-minority-groups))

(def-class african-people (ethnic-origin)
)

(def-class afro-caribbean-people (ethnic-origin)
)

(def-class american-people (ethnic-origin)
)

(def-class latin-american-people (american-people)
)

(def-class north-american-people (american-people)
)

(def-class south-american-people (american-people)
)

(def-class arabic-people (ethnic-origin)
)

(def-class asian-people (ethnic-origin)
)

(def-class bangladeshi-people (asian-people)
)

(def-class cambodian-people (asian-people)
)

(def-class chinese-people (asian-people)
)

(def-class gujarati-people (asian-people)
)

(def-class indian-people (asian-people)
)

(def-class kashmari-people (asian-people)
)
(def-class pakistani-people (asian-people))

(def-class punjabi-people (asian-people))

(def-class vietnamese-people (asian-people))

(def-class assyrian-people (ethnic-origin))

(def-class belgian-people (ethnic-origin))

(def-class black-african-people (ethnic-origin))

(def-class congolese-people (black-african-people))

(def-class ethiopian-people (black-african-people))

(def-class ghanaian-people (black-african-people))

(def-class nigerian-people (black-african-people))

(def-class somali-people (black-african-people))

(def-class sudanese-people (black-african-people))

(def-class ugandan-people (black-african-people))

(def-class zairian-people (black-african-people))

(def-class black-caribbean-people (ethnic-origin))
(def-class montserratian-people (black-caribbean-people)
)

(def-class cuban-people (ethnic-origin)
)

(def-class cypriot-people (ethnic-origin)
)

(def-class greek-cypriot-people (cypriot-people)
)

(def-class turkish-cypriot-people (cypriot-people)
)

(def-class greek-people (ethnic-origin)
)

(def-class gypsies (ethnic-origin)
  ((related-term :value gypsy-liaison))
)

(def-class travellers (gypsies)
)

(def-class iranian-people (ethnic-origin)
)

(def-class iraqi-people (ethnic-origin)
)

(def-class irish-people (ethnic-origin)
)

(def-class jewish-people (ethnic-origin)
)

(def-class korean-people (ethnic-origin)
)

(def-class kurdish-people (ethnic-origin)
)

(def-class saudi-arabian-people (ethnic-origin)
)
(def-class scandinavian-people (ethnic-origin))

(def-class scottish-people (ethnic-origin))

(def-class sri-lankan-people (ethnic-origin))

(def-class language (ethnic-origin-and-language)
  ((use_for :value languages)))

(def-class arabic (language))

(def-class cantonese (language))

(def-class chinese (language))

(def-class czech (language))

(def-class danish (language))

(def-class dutch (language))

(def-class english (language))

(def-class english-as-a-foreign-language (english))

(def-class esperanto (language))

(def-class farsi (language))

(def-class finnish (language))
(def-class french (language))

(def-class gaelic (language))

(def-class german (language))

(def-class greek (language))

(def-class gujarati (language))

(def-class hebrew (language))

(def-class hindi (language))

(def-class hungarian (language))

(def-class italian (language))

(def-class japanese (language))

(def-class korean (language))

(def-class kurdish (language))

(def-class latin (language))

(def-class mandarin (language))

(def-class nepalese (language))
(def-class polish (language)
 )

(def-class portuguese (language)
 )

(def-class russian (language)
 )

(def-class spanish (language)
 )

(def-class swedish (language)
 )

(def-class turkish (language)
 )

(def-class urdu (language)
 )

(def-class vietnamese (language)
 )

(def-class volapuk (language)
 )

(def-class welsh (language)
 )

;;
;; This section contains topics about GOVERNMENT and POLITICS
;;

(def-class government-and-politics (seamless-uk-top-class)
 )

(def-class government (government-and-politics)
 (related_term :value local-government-law)
 (use_for :value public-administration)
 )

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(def-class central-government (government)
  ((related_term :value modernising-government
    :value public-services)
   (use_for :value national-government))
)

(def-class central-government-charters (central-government)
)

(def-class central-government-committees (central-government)
)

(def-class immigration-control (central-government)
  ((related_term :value citizenship
    :value asylum-seekers
    :value refugees))
)

(def-class devolved-government (government)
)

(def-class northern-ireland-assembly (devolved-government)
)

(def-class regional-government (devolved-government)
)

(def-class scottish-parliament (devolved-government)
)

(def-class welsh-assembly (devolved-government)
)

(def-class european-community (government)
  ((related_term :value members-of-the-european-parliament)
   (use_for :value eu
    :value ecc
    :value european-union))
)

(def-class european-community-funding (european-community)
)

(def-class local-government (government)
  ((related_term :value public-services

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(def-class local-councils (local-government)
  ((related_term :value cabinet-councils)
   (use_for :value local-authorities
            :value councils))
)

(def-class borough-councils (local-councils)
  ((has_ecc_a-z :value true))
)

(def-class council-meetings (local-councils)
  ((has_ecc_a-z :value true))
)

(def-class council-meeting-agendas (council-meetings)
)

(def-class council-meeting-minutes (council-meetings)
)

(def-class county-councils (local-councils)
)

(def-class district-councils (local-councils)
  ((has_ecc_a-z :value true))
)

(def-class parish-councils (local-councils)
  ((has_ecc_a-z :value true))
)

(def-class parish-clerks (parish-councils)
  ((related_term :value parish-councillors))
)

(def-class town-councils (local-councils)
)

(def-class town-clerks (town-councils)
  ((related_term :value town-councillors))
)
(def-class unitary-authorities (local-councils)
)

(def-class local-government-byelaws (local-government)
  ((use_for :value local-government-bye-laws
    :value bylaws
    :value local-government-bylaws))
)

(def-class local-government-annual-reports (local-government)
)

(def-class local-government-boards (local-government)
)

(def-class local-government-charters (local-government)
  ((use_for :value citizen-s-charter))
)

(def-class local-government-committees (local-government)
)

(def-class local-government-panels (local-government)
)

(def-class modernising-government (government)
  ((related_term :value local-government
    :value central-government))
)

(def-class best-value (modernising-government)
)

(def-class best-value-performance-indicators (best-value)
)

(def-class best-value-performance-plan (best-value)
)

(def-class citizen-s-panels (best-value)
)

(def-class cabinet-councils (modernising-government)
  ((related_term :value local-councils))
)
(def-class e-government (modernising-government)
  )

(def-class public-consultation-exercises (modernising-government)
  ((use_for :value consultation))
  )

(def-class scrutiny-services (modernising-government)
  )

(def-class politics (government-and-politics)
  )

(def-class elected-representatives (politics)
  )

(def-class councillors (elected-representatives)
  ((has_ecc_a-z :value true))
  )

(def-class borough-councillors (councillors)
  )

(def-class councillor-s-surgeries (councillors)
  )

(def-class county-councillors (councillors)
  ((has_ecc_a-z :value true))
  )

(def-class district-councillors (councillors)
  )

(def-class parish-councillors (councillors)
  ((related_term :value parish-clerks))
  )

(def-class town-councillors (councillors)
  ((related_term :value town-clerks))
  )

(def-class mayors (elected-representatives)
  )
(def-class members-of-parliament (elected-representatives)
   ((use_for :value mp
     :value mp-s))
)

(def-class members-of-the-european-parliament (elected-representatives)
   ((related_term :value european-community)
    (use_for :value euromp
      :value mep
      :value mep-s))
)

(def-class elections (politics)
   ((use_for :value polls)
    (has_ecc_a-z :value true))
)

(def-class electoral-boundaries (elections)
   ((use_for :value parliamentary-boundaries
     :value electoral-wards))
)

(def-class electoral-registration (elections)
   ((use_for :value electoral-services))
)

(def-class electoral-registers (electoral-registration)
)

(def-class electoral-wards (electoral-registration)
)

(def-class postal-voting (electoral-registration)
)

(def-class proxy-voting (electoral-registration)
)

(def-class political-campaigns (elections)
)

(def-class electors (politics)
)

(def-class international-affairs (politics)
((related_term :value pressure-groups) 
  (use_for :value european-affairs))
)

(def-class nuclear-disarmament (international-affairs) 
  ((related_term :value pressure-groups 
    :value nuclear-weapons))
)

(def-class town-twinning (international-affairs) 
  ((related_term :value tourism) 
    (use_for :value twinning 
      :value twin-towns 
      :value twinning-organisations))
)

(def-class peace-groups (politics) 
  ((related_term :value pressure-groups))
)

(def-class political-parties (politics) 
)

(def-class british-national-party (political-parties) 
  ((use_for :value bnp))
)

(def-class co-operative-party (political-parties) 
)

(def-class communist-party (political-parties) 
)

(def-class conservative-party (political-parties) 
  ((use_for :value conservatives))
)

(def-class young-conservatives (conservative-party) 
)

(def-class green-party (political-parties) 
)

(def-class independent (political-parties) 
)
(def-class labour-party (political-parties))

(def-class young-labour (labour-party))

(def-class liberal-democrat-party (political-parties)
    ((use_for :value liberal-democrats)))

(def-class monster-raving-loony-party (political-parties))

(def-class social-democrat-party (political-parties)
    ((use_for :value sdp)))

(def-class socialist-labour-party (political-parties))

(def-class socialist-party-of-great-britain (political-parties))

(def-class socialist-workers-party (political-parties))

(def-class political-theories (politics))

(def-class anarchy (political-theories))

(def-class communism (political-theories))

(def-class conservatism (political-theories))

(def-class fascism (political-theories))

(def-class liberalism (political-theories))
(def-class nazism (political-theories))
)

(def-class socialism (political-theories))
)

(def-class public-services (government-and-politics)
  ((related_term :value local-government
    :value health
    :value local-government-law
    :value trading-standards
    :value central-government
    :value young-people))
)

(def-class armed-forces (public-services)
  ((related_term :value warfare
    :value service-associations))
)

(def-class cadet-forces (armed-forces)
  ((related_term :value activities-for-children
    :value young-people-s-organisations))
)

(def-class air-training-corps (cadet-forces)
  ((related_term :value young-people-s-organisations)
    (use_for :value atc))
)

(def-class army-cadet-corps (cadet-forces))
)

(def-class sea-cadets (cadet-forces))
)

(def-class territorial-army (armed-forces)
  ((use_for :value ta))
)

(def-class benefits-administration (public-services)
  ((related_term :value benefits-advice-services))
)

(def-class benefit-claims (benefits-administration)
)
(def-class benefit-fraud (benefits-administration))

(def-class benefits-payment (benefits-administration))

(def-class building-services (public-services))

(def-class architectural-services (building-services)
  ((related_term :value planning)))

(def-class child-support-agency (public-services)
  ((use_for :value csa)))

(def-class civil-defence (public-services))

(def-class civil-service (public-services))

(def-class communications-services (public-services)
  ((related_term :value media)
   (use_for :value media-offices
    :value press-offices
    :value media-enquiries
    :value press-enquiries)))

(def-class community-safety-policies (public-services))

(def-class community-services (public-services))

(def-class coroner-s-office (public-services))

(def-class customs-and-excise (public-services)
  ((related_term :value taxation
    :value value-added-tax)))
(def-class dog-wardens (public-services))

(def-class economic-development (public-services)
  ((related_term :value business-and-employment
                :value economics
                :value business)
   (use_for :value economy)
   (has_ecc_a-z :value true)))

(def-class business-development (economic-development)
  ((related_term :value business)
   (use_for :value commercial-development)))

(def-class economic-regeneration (business-development))

(def-class regeneration-programmes (economic-regeneration)
  ((use_for :value community-projects
            :value community-regeneration-projects)))

(def-class enterprise-agencies (business-development))

(def-class enterprise-schemes (enterprise-agencies))

(def-class investment (business-development))

(def-class job-creation (business-development)
  ((related_term :value employment)))

(def-class education-services (public-services)
  ((related_term :value learning-services
                :value library-services
                :value pupil-support-services)
   (use_for :value education-advisory-services
            :value education-welfare-services))
(def-class behaviour-support-services (education-services)
  )

(def-class emergency-contacts (public-services)
  ((related_term :value flooding)
   (use_for :value emergency-phone-numbers)))

(def-class out-of-hours-contacts (emergency-contacts)
  )

(def-class emergency-services (public-services)
  )

(def-class air-sea-rescue (emergency-services)
  )

(def-class coast-guards (air-sea-rescue)
  )

(def-class life-boats (air-sea-rescue)
  ((use_for :value lifeboats))
  )

(def-class ambulance-services (emergency-services)
  ((related_term :value hospital-transport))
  )

(def-class fire-and-rescue-services (emergency-services)
  ((use_for :value fire-brigade
    :value fire-service)
   (has_ecc_a-z :value true)))

(def-class dry-riser-testing (fire-and-rescue-services)
  )

(def-class fire-fighting-appliances (fire-and-rescue-services)
  )

(def-class fire-fighting-equipment (fire-and-rescue-services)
  )
(def-class fire-prevention (fire-and-rescue-services)
  ((scope_note :value "includes training and education in fire prevention"))
)

(def-class flash-over-training (fire-and-rescue-services)
  )

(def-class hydrant-training (fire-and-rescue-services)
  )

(def-class police (emergency-services)
  ((related_term :value criminal-law :value law)
   (has_ecc_a-z :value true))
)

(def-class employment-services (public-services)
  ((related_term :value employment))
)

(def-class new-deal (employment-services)
  )

(def-class engineering-services (public-services)
  )

(def-class environmental-health-services (public-services)
  ((related_term :value health)
   (use_for :value environmental-health))
)

(def-class food-hygiene (environmental-health-services)
  )

(def-class food-safety (environmental-health-services)
  ((related_term :value product-labelling)
   (has_ecc_a-z :value true))
)

(def-class food-additives (food-safety)
  ((related_term :value food-and-drink))
)

(def-class food-legislation (food-safety)
  )
(def-class infectious-diseases (environmental-health-services)  
  ((related_term :value health)))
)

(def-class communicable-diseases (infectious-diseases)  
  )
)

(def-class environmental-services (public-services)  
  ((related_term :value environment-and-transport  
      :value grounds-maintenance  
      :value mineral-extraction  
      :value quarrying)  
    (has ECC A-Z :value true))
)

(def-class pest-control-services (environmental-services)  
  ((related_term :value bees  
      :value animal- nuisances  
      :value pest-control-services-licences)  
    (use for :value insect-control  
      :value fumigation-services  
      :value pest-control))
)

(def-class ants (pest-control-services)  
  )
)

(def-class bed-bugs (pest-control-services)  
  )
)

(def-class beetles (pest-control-services)  
  )
)

(def-class cockroaches (pest-control-services)  
  )
)

(def-class fleas (pest-control-services)  
  )
)

(def-class lice (pest-control-services)  
  )
)

(def-class mice (pest-control-services)  
  )
(def-class rats (pest-control-services))

(def-class wasps (pest-control-services))

(def-class ranger-services (environmental-services))

(def-class financial-services (public-services)
  ((related-term :value business-and-employment)))

(def-class audits (financial-services))

(def-class grounds-maintenance (public-services)
  ((related-term :value environmental-services)))

(def-class grass-cutting (grounds-maintenance))

(def-class landscaping (grounds-maintenance))

(def-class gypsy-liaison (public-services)
  ((related-term :value gypsies)
    (has_ecc_a-z :value true)))

(def-class heritage-services (public-services)
  ((related-term :value museums
    :value arts
    :value culture)
   (use_for :value heritage)
   (has_ecc_a-z :value true)))

(def-class record-offices (heritage-services)
  ((related-term :value library-services)))
(def-class archives (record-offices)
  ((use_for :value diocesan-records :
    :value historical-records)
   (has_ecc_a-z :value true)))
)

(def-class highway-services (public-services)
  ((related_term :value road-transport :
    :value road-maintenance :
    :value planning)
   (use_for :value highways :
    :value transport-planning)
   (has_ecc_a-z :value true)))
)

(def-class housing-services (public-services)
  ((related_term :value housing :
    :value planning))
)

(def-class estate-management (housing-services)
  )

(def-class house-numbering (housing-services)
  ((related_term :value housing))
)

(def-class housing-offices (housing-services)
  )

(def-class housing-policies (housing-services)
  )

(def-class rehousing-services (housing-services)
  )

(def-class rent-officer-services (housing-services)
  )

(def-class learning-services (public-services)
  ((related_term :value education-services))
)

(def-class leisure-services (public-services)
  ((related_term :value leisure

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(def-class library-services (public-services)
  ((related_term :value education-services
    :value leisure-services
    :value record-offices
    :value museums)
   (use_for :value libraries))
)

(def-class business-information-services (library-services)
  ((related_term :value business-services)
   (use_for :value business-information)
   (has_ecc_a-z :value true))
)

(def-class library-services-to-housebound-people (library-services)
)

(def-class mobile-library-services (library-services)
  ((use_for :value mobile-libraries))
)

(def-class public-libraries (library-services)
  ((use_for :value branch-libraries
    :value reference-libraries))
)

(def-class licensing (public-services)
  ((related_term :value licences)
   (has_ecc_a-z :value true))
)

(def-class licensing-committee (licensing)
)

(def-class national-insurance (public-services)
)

(def-class planning-services (public-services)
  ((related_term :value planning
    :value minerals-licences
    :value conveyancing)
(use_for :value planning-enforcement)
(has_ecc_a-z :value true))
)

(def-class emergency-planning (planning-services)
((related_term :value flooding))
)

(def-class local-strategic-planning (planning-services)
)

(def-class planning-appeals (planning-services)
)

(def-class planning-applications (planning-services)
((related_term :value planning-regulations))
)

(def-class planning-regulations (planning-services)
((related_term :value planning-applications)
(use_for :value planning-enforcement
     :value planning-appeals
     :value compulsory-purchase-orders))
)

(def-class postal-services (public-services)
((use_for :value mail-services
     :value parcel-services
     :value royal-mail))
)

(def-class postcodes (postal-services)
((related_term :value housing)
 (use_for :value postcode-allocation))
)

(def-class prisons (public-services)
)

(def-class property-services (public-services)
((related_term :value planning))
)

(def-class building-maintenance (property-services)
)
(def-class commercial-services (property-services)
  ((related_term :value business-services)))
)

(def-class land-registration (property-services)
  ((related_term :value vacant-land-register)
   (use_for :value land-registry))
)

(def-class public-toilets (public-services)
  ((use_for :value public-conveniences
            :value toilets))
)

(def-class register-offices (public-services)
  ((related_term :value bereavement-advice
                 :value wedding-services
                 :value wedding-venues)
   (use_for :value registry-offices)
   (has_ecc_a-z :value true))
)

(def-class births-registration (register-offices)
)

(def-class deaths-registration (register-offices)
  ((has_ecc_a-z :value true))
)

(def-class marriages-registration (register-offices)
  ((has_ecc_a-z :value true))
)

(def-class social-services (public-services)
  ((has_ecc_a-z :value true))
)

(def-class adoption-services (social-services)
  ((use_for :value adoption)
   (has_ecc_a-z :value true))
)

(def-class child-protection (social-services)
  ((has_ecc_a-z :value true))
)

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(def-class children-at-risk (social-services))

(def-class children-in-need (social-services))

(def-class fostering-services (social-services)
  ((use_for :value fostering)
   (has_ecc_a-z :value true)))

(def-class independent-living-network (social-services)
  ((related_term :value disabled-people
                     :value older-people)))

(def-class sports-services (public-services)
  ((related_term :value sports-administration)))

(def-class playing-fields (sports-services)
  ((related_term :value recreation-grounds)))

(def-class statistical-services (public-services))

(def-class census-information (statistical-services)
  ((use_for :value census-data)
   (has_ecc_a-z :value true)))

(def-class population-statistics (statistical-services)
  ((has_ecc_a-z :value true)))

(def-class taxation (public-services)
  ((related_term :value business
                     :value customs-and-excise)
   (use_for :value local-taxation)))

(def-class business-rates (taxation))
(def-class commercial-rates (taxation))

(def-class corporation-tax (taxation))

(def-class council-tax (taxation)
  ((related_term :value council-tax-benefits)
   (has_ecc_a-z :value true)))

(def-class council-tax-banding (council-tax)
  ((use_for :value council-tax-bands)))

(def-class income-tax (taxation))

(def-class self-assessment (income-tax)
  ((use_for :value self-assessment
            :value self-assessment-of-tax)))

(def-class land-fill-tax (taxation)
  ((related_term :value waste-management)))

(def-class tax-offices (taxation))

(def-class value-added-tax (taxation)
  ((related_term :value customs-and-excise)
   (use_for :value vat)))

(def-class telephone-action-lines (public-services)
  ((related_term :value advice-helplines)))

(def-class youth-services (public-services)
  ((use_for :value youth-service)))
(def-class youth-offending-teams (youth-services) )

;;;
;;;In this section we describe topics about HEALTH
;;;

(def-class health (seamless-uk-top-class) 
((related_term :value infectious-diseases 
:value public-services 
:value environmental-health-services 
:value health-advice-services 
:value help-with-health-costs) 
(has_ecc_a-z :value true)) )

(def-class health-services-and-specialisms (health) )

(def-class chiropody-services (health-services-and-specialisms) 
((use_for :value podiatry-services)) )

(def-class chiropodists (chiropody-services) 
((use_for :value podiatrists)) )

(def-class community-health-councils (health-services-and-specialisms) )

(def-class community-health-services (health-services-and-specialisms) )

(def-class dental-services (health-services-and-specialisms) 
((use_for :value dentistry)) )

(def-class community-dental-services (dental-services) 
((use_for :value dental-services)) )

(def-class dental-hygenists (dental-services) )

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(def-class dental-nurses (dental-services))

(def-class dentists (dental-services)
  ((use_for :value dentist
    :value dental-practices
    :value dental-practice)))

(def-class dietetics (health-services-and-specialisms))

(def-class diet (dietetics))

(def-class vegans (diet))

(def-class vegetarians (diet))

(def-class nutrition (dietetics)
  ((use_for :value oral-nutrition)))

(def-class obesity (dietetics))

(def-class slimming (dietetics))

(def-class weight-loss (dietetics))

(def-class drug-action-services (health-services-and-specialisms)
  ((related_term :value addiction)))

(def-class drugs-manufacturers (health-services-and-specialisms))

(def-class family-planning-services (health-services-and-specialisms)
  ((use_for :value family-planning
    :value contraception-services))
(def-class condoms (family-planning-services))

(def-class contraceptive-pills (family-planning-services)
  ((use_for :value morning-after-pills)))

(def-class general-practitioners (health-services-and-specialisms)
  ((related_term :value prescription-services)
   (use_for :value doctors
     :value gp-s
     :value doctor
     :value gp
     :value gps
     :value dr
     :value gp-s-surgery
     :value gp-surgery
     :value gp-surgeries)))

(def-class health-action-zones (health-services-and-specialisms))

(def-class strategic-health-authorities (health-services-and-specialisms)
  ((use_for :value health-authorities)))

(def-class health-centres (health-services-and-specialisms))

(def-class health-clinics (health-services-and-specialisms)
  ((use_for :value clinics)))

(def-class health-clubs (health-services-and-specialisms)
  ((related_term :value sports-clubs)))

(def-class health-education-services (health-services-and-specialisms))

(def-class child-development-services (health-education-services))
(def-class child-health-services (health-education-services) )

(def-class family-health-services (health-education-services) )

(def-class first-aid-training (health-education-services)
  ((related_term :value swimming
                :value british-red-cross
                :value st-john-ambulance))
)

(def-class life-saving (first-aid-training)
  ((related_term :value swimming))
)

(def-class lifeguards (first-aid-training)
  ((related_term :value swimming
                 :value sports-centres)
   (use_for :value life-guards))
)

(def-class health-promotion (health-education-services) )

(def-class mental-health-promotion (health-promotion)
  ((related_term :value mental-health))
)

(def-class health-policies-and-strategies (health-services-and-specialisms) )

(def-class health-support-groups (health-services-and-specialisms) )

(def-class hospices (health-services-and-specialisms) )

(def-class friends-of-hospices (hospices) )

(def-class hospitals (health-services-and-specialisms) )
(def-class friends-of-hospitals (hospitals)
  )

(defun-class hospital-transport (hospitals)
  ((related-term :value ambulance-services))
  )

(defun-class hospital-treatment (hospitals)
  )

(defun-class patient-care (hospital-treatment)
  )

(defun-class maternity-services (health-services-and-specialisms)
  ((related-term :value midwives))
  )

(defun-class medical-equipment-services (health-services-and-specialisms)
  ((related-term :value equipment-for-disabled-people))
  )

(defun-class medical-research (health-services-and-specialisms)
  )

(defun-class national-blood-service (health-services-and-specialisms)
  ((use-for :value blood-transfusion-service))
  )

(defun-class blood-donors (national-blood-service)
  ((use-for :value blood-donation))
  )

(defun-class national-health-service (health-services-and-specialisms)
  ((use-for :value nhs))
  )

(defun-class national-health-service-trusts (national-health-service)
  ((use-for :value nhs-trusts))
  )

(defun-class nursing-services (health-services-and-specialisms)
  )

(defun-class health-visitors (nursing-services)
  )
(def-class midwives (nursing-services)
  ((related-term :value maternity-services)))
)

(def-class nurses (nursing-services)
  )

(def-class community-nurses (nurses)
  ((use-for :value district-nurses)))
)

(def-class ophthalmology-services (health-services-and-specialisms)
  ((misspell :value ophthalmology)))
)

(def-class ophthalmology (health-services-and-specialisms)
  )

(def-class opticians (ophthalmology-services)
  ((use-for :value optician)))
)

(def-class optometry (ophthalmology-services)
  )

(def-class osteopathy-services (health-services-and-specialisms)
  )

(def-class osteopaths (osteopathy-services)
  ((use-for :value osteopath)))
)

(def-class pharmaceutical-services (health-services-and-specialisms)
  )

(def-class chemists (pharmaceutical-services)
  ((related-term :value prescription-services)
   (use-for :value pharmacists
     :value pharmacy
     :value pharmacies)))
)

(def-class prescription-services (pharmaceutical-services)
  ((related-term :value chemists
   ))
(def-class physiotherapy-services (health-services-and-specialisms)
  ((related_term :value physiotherapy))
)

(def-class physiotherapists (physiotherapy-services)
)

(def-class primary-care-groups (health-services-and-specialisms)
)

(def-class primary-care-trusts (health-services-and-specialisms)
)

(def-class primary-health-care (health-services-and-specialisms)
)

(def-class private-medicine (health-services-and-specialisms)
)

(def-class psychiatric-services (health-services-and-specialisms)
  ((related_term :value mental-health))
)

(def-class psychiatric-care (psychiatric-services)
)

(def-class psychiatric-rehabilitation (psychiatric-services)
)

(def-class psychiatrists (psychiatric-services)
)

(def-class psychologists (psychiatric-services)
)

(def-class psychotherapy (psychiatric-services)
)

(def-class public-health-services (health-services-and-specialisms)
)

(def-class radiography-services (health-services-and-specialisms)
)

:value general-practitioners))

)
(def-class terminal-care-services (health-services-and-specialisms)
)

(def-class medical-and-psychiatric-treatments (health)
)

(def-class abortion (medical-and-psychiatric-treatments)
  ((related_term :value pro-life-groups))
)

(def-class amputation (medical-and-psychiatric-treatments)
)

(def-class art-therapy (medical-and-psychiatric-treatments)
  ((related_term :value fine-arts))
)

(def-class cervical-smear-tests (medical-and-psychiatric-treatments)
)

(def-class chemotherapy (medical-and-psychiatric-treatments)
  ((related_term :value cancer))
)

(def-class circumcision (medical-and-psychiatric-treatments)
)

(def-class cochlear-implants (medical-and-psychiatric-treatments)
)

(def-class colostomy (medical-and-psychiatric-treatments)
)

(def-class dilation-and-curettage (medical-and-psychiatric-treatments)
  ((use_for :value d-and-c))
)

(def-class drama-therapy (medical-and-psychiatric-treatments)
  ((related_term :value drama))
)

(def-class fertility-treatment (medical-and-psychiatric-treatments)
)
(def-class artificial-insemination (fertility-treatment) )

(def-class in-vitro-fertilisation (fertility-treatment)  
  ((use_for :value artificial-insemination)) )

(def-class gestalt-therapy (medical-and-psychiatric-treatments) )

(def-class growth-hormone-treatment (medical-and-psychiatric-treatments) )

(def-class haemodialysis (medical-and-psychiatric-treatments) )

(def-class hysterectomy (medical-and-psychiatric-treatments) )

(def-class ileostomy (medical-and-psychiatric-treatments) )

(def-class immunisation (medical-and-psychiatric-treatments)  
  ((use_for :value injections  
    :value vaccinations)) )

(def-class measles-mumps-and-rubella (immunisation)  
  ((use_for :value mmr)) )

(def-class laser-therapy (medical-and-psychiatric-treatments)  
  ((use_for :value laser-therapies)) )

(def-class mastectomy (medical-and-psychiatric-treatments)  
  ((related_term :value cancer)) )

(def-class music-therapy (medical-and-psychiatric-treatments)  
  ((related_term :value music)) )

(def-class occupational-therapy (medical-and-psychiatric-treatments) )
(def-class rehabilitation-therapy (occupational-therapy))

(def-class pain-relief (medical-and-psychiatric-treatments))

(def-class pets-for-therapy (medical-and-psychiatric-treatments))

(def-class physiotherapy (medical-and-psychiatric-treatments)
  ((related_term :value physiotherapy-services))
)

(def-class radiotherapy (medical-and-psychiatric-treatments))

(def-class sex-therapy (medical-and-psychiatric-treatments))

(def-class psychosexual-therapy (sex-therapy))

(def-class speech-therapy (medical-and-psychiatric-treatments))

(def-class sterilisation (medical-and-psychiatric-treatments))

(def-class vasectomy (sterilisation))

(def-class tracheotomy (medical-and-psychiatric-treatments)
  ((use_for :value tracheostomy))
)

(def-class transplants (medical-and-psychiatric-treatments))

(def-class urostomy (medical-and-psychiatric-treatments))

(def-class addiction (health))
((related_term :value gambling
   :value drug-action-services)
  (use_for :value substance-misuse
        :value substance-abuse))
)

(def-class alcohol-abuse (addiction)
  ((use_for :value drinking-problems
           :value alcoholism))
)

(def-class detoxification (addiction)
  )

(def-class drug-abuse (addiction)
  ((use_for :value drug-addiction))
)

(def-class needle-exchange (drug-abuse)
  ((use_for :value needle-disposal
           :value syringe-disposal
           :value syringes))
)

(def-class tranquillisers (drug-abuse)
  )

(def-class smoking (addiction)
  )

(def-class solvent-abuse (addiction)
  )

(def-class alternative-medicine (health)
  ((use_for :value complementary-medicine
           :value alternative-treatments
           :value alternative-remedies
           :value natural-medicine))
)

(def-class acupressure (alternative-medicine)
  )

(def-class acupuncture (alternative-medicine)
  )
(def-class acupuncture-licences (acupuncture)
)

(def-class alexander-technique (alternative-medicine)
)

(def-class aromatherapy (alternative-medicine)
)

(def-class bach-flower-remedies (alternative-medicine)
)

(def-class biodynamic-therapy (alternative-medicine)
((related_term :value biodynamic-massage))
)

(def-class chinese-medicine (alternative-medicine)
)

(def-class chiropractice (alternative-medicine)
)

(def-class chiropractors (chiropractice)
)

(def-class dianetics (alternative-medicine)
)

(def-class healing (alternative-medicine)
)

(def-class colour-healing (healing)
)

(def-class spiritual-healing (healing)
)

(def-class herbalism (alternative-medicine)
((use_for :value herbal-medicine))
)

(def-class holistic-medicine (alternative-medicine)
((use_for :value wholistic-medicine
:value holistic-care))
)
(def-class homeopathy (alternative-medicine)
)

(def-class hydrotherapy (alternative-medicine)
)

(def-class hypno-analysis (alternative-medicine)
)

(def-class hypnotherapy (alternative-medicine)
)

(def-class hypnotism (alternative-medicine)
)

(def-class i-ching (alternative-medicine)
)

(def-class iridology (alternative-medicine)
)

(def-class kinesiology (alternative-medicine)
   ((use_for :value touch-for-health))
)

(def-class macrobiotics (alternative-medicine)
)

(def-class massage (alternative-medicine)
)

(def-class biodynamic-massage (massage)
   ((related_term :value biodynamic-therapy))
)

(def-class holistic-massage (massage)
)

(def-class massage-business-licences (massage)
)

(def-class pulsing (massage)
)
(def-class shiatsu-massage (massage))

(def-class meditation (alternative-medicine))

(def-class metamorphic-techniques (alternative-medicine)
  ((use_for :value prenatal-therapy))
)

(def-class mineral-therapy (alternative-medicine))

(def-class naturopathy (alternative-medicine))

(def-class polarity-therapy (alternative-medicine))

(def-class postural-integration (alternative-medicine))

(def-class rebirth-therapy (alternative-medicine)
  ((use_for :value past-life-therapy))
)

(def-class reflexology (alternative-medicine))

(def-class reiki (reflexology))

(def-class regression-therapy (alternative-medicine))

(def-class relaxation (alternative-medicine)
  ((related_term :value stress))
)

(def-class shiatsu (alternative-medicine))

(def-class stress-management (alternative-medicine))

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(def-class yoga (alternative-medicine))

(def-class cosmetic-treatments (health)
  ((use_for :value beauty-treatments)))

(def-class body-piercing (cosmetic-treatments)
  ((use_for :value skin-piercing)))

(def-class ear-piercing (body-piercing))

(def-class ear-piercing-licences (ear-piercing))

(def-class electrolysis (cosmetic-treatments))

(def-class electrolysis-licences (electrolysis))

(def-class eyelash-tinting (cosmetic-treatments))

(def-class facials (cosmetic-treatments))

(def-class hair-dressing (cosmetic-treatments))

(def-class hair-mineral-analysis (cosmetic-treatments))

(def-class manicures (cosmetic-treatments))

(def-class pedicures (cosmetic-treatments))

(def-class tattooing (cosmetic-treatments))
(def-class waxing (cosmetic-treatments))

(def-class mental-health (health)
  ((related_term :value psychiatric-services
    :value eating-disorders
    :value counselling
    :value mentally-ill-people
    :value mental-health-promotion))
)

(def-class anxiety (mental-health))

(def-class asperger-s-syndrome (mental-health))

(def-class attention-deficient-hyperactive-disorder (mental-health)
  ((use_for :value adhd
    :value hyperactivity))
)

(def-class autism (mental-health))

(def-class behavioural-problems (mental-health))

(def-class body-dysmorphic-disorder (mental-health)
  ((use_for :value bdd))
)

(def-class dementia (mental-health)
  ((use_for :value confusion))
)

(def-class alzheimer-s-disease (dementia))

(def-class senile-dementia (dementia))

(def-class depression (mental-health))
(def-class manic-depression (depression)
  )

(def-class post-natal-depression (depression)
  )

(def-class eating-disorders (mental-health)
  ((related_term :value mental-health)
    (use_for :value eating-problems))
  )

(def-class anorexia (eating-disorders)
  ((use_for :value anorexia-nervosa))
  )

(def-class bulimia (eating-disorders)
  ((use_for :value bulimia-nervosa))
  )

(def-class gender-identity-disorders (mental-health)
  )

(def-class hypertension (mental-health)
  )

(def-class mental-illness (mental-health)
  )

(def-class obsessive-compulsive-disorder (mental-health)
  )

(def-class panic-attacks (mental-health)
  )

(def-class phobias (mental-health)
  )

(def-class agoraphobia (phobias)
  )

(def-class social-phobia (phobias)
  )

(def-class schizophrenia (mental-health)
  )
(def-class psychotic-illness (schizophrenia))

(def-class seasonal-affective-disorder (mental-health)
  ((use_for :value sad)))

(def-class stress (mental-health)
  ((related_term :value blood-pressure
                 :value relaxation)
   (use_for :value hypertension)))

(def-class physical-illnesses (health)
  ((related_term :value disabled-people)))

(def-class acquired-immune-deficiency-syndrome (physical-illnesses)
  ((related_term :value blood-clean-up-service
                 :value human-immunodeficiency-virus)
   (use_for :value aids)))

(def-class allergies (physical-illnesses)
  ((related_term :value food-intolerance
                 :value hayfever)))

(def-class anaphylaxis (allergies))

(def-class anderson-fabry-disease (physical-illnesses))

(def-class arthritic (physical-illnesses))

(def-class ankylosing-spondylitis (physical-illnesses))

(def-class aplastic-anaemia (physical-illnesses))

(def-class arthritis (physical-illnesses))
(def-class asthma (physical-illnesses))

(def-class back-pain (physical-illnesses))

(def-class blood-disorders (physical-illnesses))

(def-class blood-pressure (physical-illnesses)
  ((related_term :value stress)
   (use_for :value hypertension)))

(def-class bone-marrow-diseases (physical-illnesses))

(def-class bronchitis (physical-illnesses))

(def-class burns (physical-illnesses))

(def-class cancer (physical-illnesses)
  ((related_term :value mastectomy
    :value chemotherapy)))

(def-class breast-cancer (cancer))

(def-class cerebral-palsy (physical-illnesses))

(def-class cholera (physical-illnesses))

(def-class chronic-fatigue-syndrome (physical-illnesses)
  ((related_term :value myalgic-encephalomyelitis)))

(def-class cleft-lip (physical-illnesses))
(def-class cleft-palate (physical-illnesses))

(def-class coeliac-disease (physical-illnesses))

(def-class colitis (physical-illnesses))

(def-class cot-death (physical-illnesses)
  ((related_term :value death)
   (use_for :value sudden-infant-death-syndrome :value sids)))

(def-class cranial-synostosis (physical-illnesses))

(def-class crohn-s-disease (physical-illnesses)
  ((misspell :value crohns-disease)))

(def-class crohns-disease (physical-illnesses))

(def-class cystic-fibrosis (physical-illnesses))

(def-class cystitis (physical-illnesses))

(def-class interstitial-cystitis (cystitis))

(def-class deafness (physical-illnesses)
  ((related_term :value sensory-disabled-people)))

(def-class dermatitis (physical-illnesses))

(def-class diabetes (physical-illnesses))
(def-class down-s-syndrome (physical-illnesses))

(def-class dyspepsia (physical-illnesses))

(def-class dystonia (physical-illnesses))

(def-class eczema (physical-illnesses))

(def-class emphysema (physical-illnesses))

(def-class endometriosis (physical-illnesses))

(def-class epilepsy (physical-illnesses))

(def-class fibromyalgia (physical-illnesses))

(def-class food-intolerance (physical-illnesses)
  ((related-term :value allergies :value hayfever))
)

(def-class food-poisoning (physical-illnesses))

(def-class fragile-x (physical-illnesses))

(def-class haemophilia (physical-illnesses))

(def-class hayfever (physical-illnesses)
  ((related-term :value allergies :value food-intolerance)
   (use-for :value hay-fever))
)

(def-class head-injuries (physical-illnesses))
(def-class heart-attacks (physical-illnesses))

(def-class hemiplegia (physical-illnesses))

(def-class hepatitis (physical-illnesses))

(def-class herpes (physical-illnesses))

(def-class hodgkin-s-disease (physical-illnesses))

(def-class hormone-replacement-therapy (physical-illnesses)
   ((use_for :value hrt))
)

(def-class human-immunodeficiency-virus (physical-illnesses)
   ((related_term :value acquired-immune-deficiency-syndrome)
    (use_for :value hiv))
)

(def-class huntington-s-chorea (physical-illnesses)
   ((use_for :value huntingdon-s-disease)
    (misspell :value huntingtons-chorea))
)

(def-class huntingtons-chorea (physical-illnesses))

(def-class hydrocephalus (physical-illnesses))

(def-class hypermobility-syndrome (physical-illnesses))

(def-class immunodeficiency (physical-illnesses))

(def-class incontinence (physical-illnesses))
(def-class insomnia (physical-illnesses)
   ((use_for :value sleep-problems)))
)

(def-class irritable-bowel-syndrome (physical-illnesses)
)

(def-class kidney-disease (physical-illnesses)
)

(def-class kleinefelter-s-syndrome (physical-illnesses)
   ((misspell :value klinefelters-syndrome))
)

(def-class klinefelters-syndrome (physical-illnesses)
)

(def-class leprosy (physical-illnesses)
)

(def-class leukaemia (physical-illnesses)
   ((use_for :value leukemia))
)

(def-class liver-disease (physical-illnesses)
)

(def-class lupus (physical-illnesses)
)

(def-class lymphatic-filariasis (physical-illnesses)
)

(def-class lymphomas(physical-illnesses)
)

(def-class meniere-s-disease (physical-illnesses)
)

(def-class meningitis (physical-illnesses)
)

(def-class menopause (physical-illnesses)
)
(def-class migraine (physical-illnesses) )

(def-class motor-neurone-disease (physical-illnesses) )

(def-class multiple-sclerosis (physical-illnesses) 
  ((use_for :value ms))
)

(def-class muscular-dystrophy (physical-illnesses) )

(def-class duchenne-s-muscular-dystrophy (muscular-dystrophy) 
  ((use_for :value duchenne-muscular-dystrophy))
)

(def-class myalgic-encephalomyelitis (physical-illnesses) 
  ((related_term :value chronic-fatigue-syndrome) 
    (use_for :value me))
)

(def-class myasthenia-gravis (physical-illnesses) )

(def-class myeloma (physical-illnesses) )

(def-class myotonic-muscular-dystrophy (physical-illnesses) 
  ((use_for :value myotonic-dystrophy) 
    (misspell :value myatonic-dystrophy))
)

(def-class myatonic-dystrophy (physical-illnesses) )

(def-class neurofibromatosis (physical-illnesses) )

(def-class non-hodgkins-lymphoma (physical-illnesses) )

(def-class osteogenesis-imperfecta (physical-illnesses) )
((use_for :value brittle-bones))
)

(def-class osteoporosis (physical-illnesses)
)

(def-class paget-s-disease (physical-illnesses)
)

(def-class paraplegia (physical-illnesses)
)

(def-class parkinson-s-disease (physical-illnesses)
  ((use_for :value parkinsons-disease))
)

(def-class peyronie-s-condition (physical-illnesses)
  ((use_for :value peyronies-condition))
)

(def-class polio (physical-illnesses)
  ((use_for :value poliomyelitis))
)

(def-class pre-menstrual-tension (physical-illnesses)
  ((use_for :value pmt
    :value pre-menstrual-syndrome
    :value pms))
)

(def-class psoriasis (physical-illnesses)
)

(def-class quadriplegia (physical-illnesses)
)

(def-class rabies (physical-illnesses)
  ((related_term :value animals))
)

(def-class raynaud-s-phenomenon (physical-illnesses)
)

(def-class repetitive-strain-injury (physical-illnesses)
  ((use_for :value rsi))
)
(def-class retinitis-pigmentosa (physical-illnesses)
  )

(def-class rheumatism (physical-illnesses)
  )

(def-class scleroderma (physical-illnesses)
  )

(def-class scoliosis (physical-illnesses)
  )

(def-class severe-acute-respiratory-syndrome (physical-illnesses)
  ((use_for :value sars)))

(def-class sexually-transmitted-diseases (physical-illnesses)
  )

(def-class sickle-cell-disease (physical-illnesses)
  ((use_for :value sickle-cell-anaemia
            :value thalassaemia)))

(def-class sinusitis (physical-illnesses)
  )

(def-class spina-bifida (physical-illnesses)
  )

(def-class sports-injuries (physical-illnesses)
  )

(def-class strokes (physical-illnesses)
  ((use_for :value stroke)))

(def-class dysphasia (strokes)
  )

(def-class thalidomide (physical-illnesses)
  )

(def-class thyroid-disease (physical-illnesses)
(def-class tinnitus (physical-illnesses)
  ((related_term :value hearing-impaired-people))
)

(def-class tourette-s-syndrome (physical-illnesses)
  ((use_for :value gilles-de-la-tourette-s-syndrome)
   (misspell :value turettes-syndrome :value turette-s-syndrome))
)

(def-class turettes-syndrome (physical-illnesses)
)

(def-class turette-s-syndrome (physical-illnesses)
)

(def-class trachea-oesophageal-fistula (physical-illnesses)
)

(def-class tracheoesophageal-fistula (physical-illnesses)
)

(def-class tuberculosis (physical-illnesses)
  ((use_for :value tb)))

(def-class typhoid (physical-illnesses)
)

(def-class ulcers (physical-illnesses)
)

(def-class visual-impairment (physical-illnesses)
  ((related_term :value visually-impaired-people)
   (use_for :value blindness))
)

(def-class yellow-fever (physical-illnesses)
)

(def-class pregnancy-and-fertility (health)
)
(def-class breast-feeding (pregnancy-and-fertility))
)

(def-class caesarean-section (pregnancy-and-fertility))
)

(def-class childbirth (pregnancy-and-fertility)
  ((use_for :value birth))
)

(def-class infertility (pregnancy-and-fertility))
)

(def-class miscarriage (pregnancy-and-fertility))
)

(def-class multiple-births (pregnancy-and-fertility)
  ((related_term :value babies))
)

(def-class triplets (multiple-births))
)

(def-class twins (multiple-births))
)

(def-class neonatal-death (pregnancy-and-fertility)
  ((related_term :value death)))

(def-class perinatal-death (pregnancy-and-fertility)
  ((related_term :value death)))
)

(def-class premature-birth (pregnancy-and-fertility))
)

(def-class stillbirth (pregnancy-and-fertility))
)

(def-class surrogate-pregnancies (pregnancy-and-fertility))
)

;;;
;;; All regarding the LAW

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(def-class law (seamless-uk-top-class)
  ((related_term :value health-and-safety
    :value animal-rights
    :value business
    :value employment
    :value maternity-rights
    :value equal-pay
    :value safety-at-work
    :value police
    :value advice-services
    :value advice-agencies))
)

(def-class administration-of-justice (law)
)

(def-class courts (administration-of-justice)
)

(def-class county-courts (courts)
)

(def-class crown-courts (courts)
)

(def-class magistrates-courts (courts)
)

(def-class magistrates (magistrates-courts)
  ((use_for :value justices-of-the-peace
    :value jp-s))
)

(def-class legal-advice (administration-of-justice)
  ((related_term :value financial-advice
    :value advice-services))
)

(def-class advocacy (legal-advice)
)

(def-class community-legal-service (legal-advice)
((use_for :value legal-aid))
)
(def-class representation (legal-advice) )
(def-class solicitors (legal-advice) )
(def-class civil-rights-law (law) )
(def-class civil-liberties (civil-rights-law) ((related_term :value citizenship)) )
(def-class data-protection (civil-rights-law) )
(def-class freedom-of-information (civil-rights-law) ((has_ecc_a-z :value true)) )
(def-class human-rights (civil-rights-law) )
(def-class arrest (criminal-law) )
(def-class juvenile-crime (criminal-law) )
(def-class offenders (criminal-law) )
(def-class ex-offenders (offenders) )
(def-class prisoners (offenders))

(def-class probation-service (offenders)
  ((has_ecc_a-z :value true)))

(def-class rehabilitation-of-offenders (offenders))

(def-class prison (criminal-law))

(def-class victims (criminal-law))

(def-class victim-support-schemes (victims))

(def-class employment-law (law)
  ((related_term :value employment-rights)))

(def-class discrimination (employment-law)
  ((related_term :value employment))

(def-class age-discrimination (discrimination))

(def-class disability-discrimination (discrimination))

(def-class race-discrimination (discrimination))

(def-class sex-discrimination (discrimination)
  ((use_for :value gender-discrimination))

(def-class dismissal (employment-law)
  ((related_term :value unemployment)
    (use_for :value unfair-dismissal
      :value redundancy))

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(def-class industrial-tribunals (dismissal)
   ((use_for :value employment-tribunals)))
)

(def-class health-and-safety-at-work (employment-law)
   ((related_term :value business)
     (use_for :value accidents-at-work)))
)

(def-class immigration-law (law)
   ((related_term :value deportation
     :value nationality)))
)

(def-class local-government-law (law)
   ((related_term :value public-services
     :value government)))
)

(def-class licences (local-government-law)
   ((related_term :value licensing)
     (scope_note :value "Other Licences appear under in the appropriate subject section"))
)

(def-class amusements-licences (licences)
   ((use_for :value amusement-arcade-licences))
)

(def-class animal-feed-compounding-licences (licences)
   ((related_term :value agriculture))
)

(def-class bar-licences (licences)
)

(def-class beach-hut-licences (licences)
   ((related_term :value beach-huts))
)

(def-class betting-licences (licences)
   ((related_term :value gambling)
     (use_for :value betting-office-licences))
)
(def-class bingo-licences (licences))

(def-class boxing-licences (licences)
  ((related_term :value boxing)))

(def-class butchers-licences (licences))

(def-class camp-site-licences (licences)
  ((related_term :value camping)
   (use_for :value camping-site-licences)))

(def-class caravan-site-licences (licences))

(def-class civic-licences (licences))

(def-class combustion-processes-licences (licences)
  ((related_term :value refuse-disposal :value incineration)))

(def-class dangerous-animal-licences (licences)
  ((related_term :value animals)
   (use_for :value dangerous-animals-licences)))

(def-class door-staff-licences (licences))

(def-class drinks-licences (licences))

(def-class entertainment-licences (licences))

(def-class game-licences (licences))

(def-class gaming-licences (licences)
  ((use_for :value gaming-machine-licences)))
(def-class grazing-licences (licences)
  ((related_term :value horses)))

(def-class hackney-carriage-licences (licences)
  ((use_for :value taxi-licences
             :value hackney-carriages-licences))

(def-class late-night-refreshment-house-licences (licences)
  )

(def-class licensed-premises-transfer-licences (licences)
  )

(def-class lottery-licences (licences)
  ((use_for :value lotteries-licences))

(def-class manufacturing-licences (licences)
  ((related_term :value manufacturing))

(def-class market-licenses (licences)
  ((use_for :value markets-licences))

(def-class massage-and-special-treatment-licences (licences)
  )

(def-class minerals-licences (licences)
  ((related_term :value planning-services))

(def-class mobile-home-licences (licences)
  ((use_for :value mobile-homes-licenses))

(def-class off-licences-premises (licences)
  )

(def-class pest-control-services-licences (licences)
  ((related_term :value pest-control-services))
(def-class pet-shop-licences (licences)
)

(def-class petrol-storage-licences (licences)
  ((use_for :value licences-for-uploading-petrol-into-storage-tanks))
)

(def-class private-hire-licences (licences)
)

(def-class public-entertainment-licences (licences)
)

(def-class raffle-licences (licences)
  ((use_for :value raffles-licences))
)

(def-class rare-animal-licences (licences)
  ((related_term :value animals))
)

(def-class scaffolding-licences (licences)
  ((use_for :value scaffolding-permits))
)

(def-class sex-establishments-licences (licences)
)

(def-class skip-licences (licences)
  ((use_for :value skip-permits
            :value skips-licenses
            :value skips-permits))
)

(def-class vehicle-licensing (licences)
  ((use_for :value car-licences
            :value taxi-licences
            :value hackney-carriage-licences
            :value respraying-of-road-vehicles-licences
            :value taxi-operator-s-licences))
)

(def-class waste-oil-burning-licences (licences)
)
((related_term :value refuse-disposal
    :value incineration))
)

(def-class zoo-licences (licences)
)

(def-class ombudsmen (local-government-law)
  ((use_for :value ombudsman))
)

(def-class property-law (law)
)

(def-class conveyancing (property-law)
  ((related_term :value housing
                     :value planning-services))
)

(def-class inheritance (property-law)
)

(def-class wills (inheritance)
)

(def-class executors (wills)
)

(def-class probate (wills)
  ((related_term :value bereavement-advice))
)

(def-class intellectual-property (property-law)
)

(def-class copyright (intellectual-property)
)

(def-class tort-law (law)
)

(def-class negligence (tort-law)
)

(def-class medical-negligence (negligence)
(def-class personal-injury (tort-law))

(def-class compensation (personal-injury)
  ((related_term :value financial-advice)))

;;; This is a description of the domain "LEISURE"

(def-class leisure (seamless-uk-top-class)
  ((related_term :value arts
    :value sport
    :value leisure-services
    :value crafts
    :value leisure-centres)))

(def-class entertainment (leisure)
  ((related_term :value arts
    :value places-to-visit)
   (has_ecc_a-z :value true)))

(def-class amusement-arcades (entertainment))

(def-class box-offices (entertainment))

(def-class carnivals (entertainment))

(def-class circuses (entertainment))

(def-class concerts (entertainment)
  ((related_term :value recitals)))

(def-class entertainment-services (entertainment))
(def-class fancy-dress-suppliers (entertainment-services)
  ((use_for :value fancy-dress-hire)))

(def-class party-caterers (entertainment-services)
  ((use_for :value party-catering)))

(def-class party-entertainers (entertainment-services))

(def-class balloon-modellers (party-entertainers))

(def-class clowns (party-entertainers))

(def-class magicians (party-entertainers))

(def-class party-organisers (entertainment-services))

(def-class wedding-services (entertainment-services)
  ((related_term :value register-offices
                 :value places-of-worship
                 :value wedding-venues)))

(def-class wedding-car-suppliers (wedding-services)
  ((use_for :value wedding-cars)))

(def-class wedding-photographers (wedding-services))

(def-class wedding-venues (wedding-services)
  ((related_term :value places-of-worship
                 :value register-offices
                 :value wedding-services)))

(def-class exhibitions (entertainment))
(def-class fairgrounds (entertainment))

(def-class fairs (entertainment))

(def-class festivals (entertainment))

(def-class fetes (entertainment))

(def-class firework-displays (entertainment))

(def-class public-speakers (entertainment)
   ((use_for :value speakers)))

(def-class recitals (entertainment)
   ((related_term :value concerts)))

(def-class what-s-on (entertainment)
   ((related_term :value places-to-visit)
    (use_for :value diary-of-events)))

(def-class hobbies (leisure)
   ((related_term :value photography
      :value crafts
      :value young-people-s-organisations
      :value activities-for-children)))

(def-class aircraft-preservation (hobbies))

(def-class aircraft-spotting (hobbies)
   ((related_term :value flying
      :value model-aircraft)))
(def-class amateur-radio (hobbies))

(def-class cb-radio (amateur-radio))

(def-class ham-radio (amateur-radio))

(def-class astrology (hobbies))

(def-class baton-twirling (hobbies))

(def-class majorettes (baton-twirling)
  ((related_term :value marching-bands
                  :value activities-for-children)))

(def-class bicycle-maintenance (hobbies)
  ((related_term :value cycling
                 :value bicycles)))

(def-class birdwatching (hobbies)
  ((related_term :value birds)
    (use_for :value ornithology
             :value bird-watching)))

(def-class car-restoration (hobbies)
  ((use_for :value vehicle-restoration)))

(def-class classic-cars (car-restoration))

(def-class vintage-cars (car-restoration))

(def-class caravanning (hobbies))

(def-class collecting (hobbies))
(def-class antique-collecting (collecting)
  ((use_for :value antiques))
)

(def-class beer-mat-collecting (collecting)
)

(def-class bottle-collecting (collecting)
)

(def-class cigarette-card-collecting (collecting)
  ((use_for :value cigarette-cards))
)

(def-class clock-collecting (collecting)
)

(def-class coin-collecting (collecting)
  ((use_for :value numismatics))
)

(def-class doll-collecting (collecting)
)

(def-class fossil-collecting (collecting)
)

(def-class furniture-collecting (collecting)
)

(def-class matchbox-collecting (collecting)
  ((use_for :value philumeny))
)

(def-class model-collecting (collecting)
)

(def-class paperweight-collecting (collecting)
)

(def-class postcard-collecting (collecting)
)
(def-class shell-collecting (collecting)
 )

(def-class stamp-collecting (collecting)
   ((use_for :value philately))
 )

(def-class teddy-bear-collecting (collecting)
   ((use_for :value arctophilia))
 )

(def-class toy-collecting (collecting)
 )

(def-class trade-cards-collecting (collecting)
   ((use_for :value trade-cards))
 )

(def-class competitions (hobbies)
   ((use_for :value gardening-competitions))
 )

(def-class quizzes (competitions)
 )

(def-class do-it-yourself (hobbies)
   ((related_term :value interior-decoration)
     (use_for :value diy))
 )

(def-class bricklaying (do-it-yourself)
 )

(def-class carpentry (do-it-yourself)
   ((related_term :value woodcrafts)
     (use_for :value woodwork))
 )

(def-class home-electrics (do-it-yourself)
 )

(def-class home-improvements (do-it-yourself)
 )

(def-class interior-design (do-it-yourself)
 )
(def-class painting-and-decorating (do-it-yourself)
)

(def-class dolls-houses (hobbies)
)

(def-class fan-clubs (hobbies)
)

(def-class food-and-drink (hobbies)
  ((related_term :value food-additives
                 :value markets))
)

(def-class cookery (food-and-drink)
)

(def-class cake-decorating (cookery)
)

(def-class organic-produce (cookery)
  ((related_term :value markets
                 :value farmer-s-markets
                 :value shops
                 :value gardening
                 :value genetically-modified-crops)
   (use_for :value organic-food))
)

(def-class sugarcraft (cookery)
  ((use_for :value sugar-craft))
)

(def-class home-brewing (food-and-drink)
)

(def-class beer-making (home-brewing)
  ((use_for :value brewing))
)

(def-class wine-making (home-brewing)
  ((related_term :value vineyards))
)
(def-class gambling (hobbies)
    ((related_term :value addiction
      :value betting-licences)
     (use_for :value betting))
)

(def-class lotteries (gambling)
)

(def-class national-lottery (lotteries)
)

(def-class games (hobbies)
)

(def-class bingo (games)
)

(def-class meccano (games)
)

(def-class play-by-mail-games (games)
)

(def-class role-play-games (games)
)

(def-class fantasy-games (role-play-games)
)

(def-class table-top-games (games)
)

(def-class board-games (table-top-games)
)

(def-class backgammon (board-games)
)

(def-class chess (board-games)
)

(def-class shogi (chess)
    ((use_for :value japanese-chess))
(def-class draughts (board-games)
)

(def-class go (board-games)
)

(def-class scrabble (board-games)
)

(def-class card-games (table-top-games)
)

(def-class bridge (card-games)
)

(def-class contract-bridge (bridge)
)

(def-class duplicate-bridge (bridge)
)

(def-class rubber-bridge (bridge)
)

(def-class cribbage (card-games)
)

(def-class whist (card-games)
)

(def-class jigsaws (table-top-games)
)

(def-class subbuteo (table-top-games)
)

(def-class war-games (games)
)

(def-class gardening (hobbies)
  ((related_term :value horticulture
    :value allotments
    :value organic-produce)))
(def-class bonsai (gardening))

(def-class cacti (gardening))

(def-class composting (gardening)
   ((use_for :value home-composting)))

(def-class flowers (gardening))

(def-class alpines (flowers)
   ((use_for :value alpine-gardening)))

(def-class chrysanthemums (flowers))

(def-class dahlias (flowers))

(def-class fuchsias (flowers))

(def-class geraniums (flowers))

(def-class orchids (flowers))

(def-class pelargoniums (flowers))

(def-class roses (flowers))

(def-class houseplants (gardening))

(def-class organic-gardening (gardening))
(def-class succulents (gardening)
 )

(def-class vegetable-gardening (gardening)
 )

(def-class graphology (hobbies)
 )

(def-class history (hobbies)
   ((related_term :value historic-buildings))
 )

(def-class archaeology (history)
   ((misspell :value archeology)
    (has_ecc_a-z :value true))
 )

(def-class archeology (history)
 )

(def-class industrial-archaeology (archaeology)
 )

(def-class family-history (history)
   ((use_for :value genealogy)
    (has_ecc_a-z :value true))
 )

(def-class heraldry (history)
   ((use_for :value coats-of-arms))
 )

(def-class local-history (history)
   ((has_ecc_a-z :value true))
 )

(def-class maritime-history (history)
 )

(def-class military-history (history)
 )

(def-class oral-history (history)
)

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(def-class re-enactments (history)
  ((use_for :value historical-re-enactments))
)

(def-class battle-re-enactments (re-enactments)
)

(def-class social-history (history)
)

(def-class kite-making (hobbies)
  ((related_term :value kite-flying)
   (use_for :value kites))
)

(def-class metal-detecting (hobbies)
  ((related_term :value treasure-hunting))
)

(def-class model-making (hobbies)
  ((related_term :value model-aircraft-flying
    :value crafts)
   (use_for :value model-engineering))
)

(def-class military-models (model-making)
)

(def-class model-aircraft (model-making)
  ((related_term :value aircraft-spotting))
)

(def-class model-aircraft-flying (model-aircraft)
  ((related_term :value model-making))
)

(def-class model-boats (model-making)
)

(def-class model-cars (model-making)
)

(def-class model-railways (model-making)
)
((use_for :value model-trains))
)

(def-class pen-friends (hobbies)
)

(def-class pets (hobbies)
  ((related_term :value animals
      :value birds
      :value wildlife
      :value animal-breeding
      :value animal-welfare-organisations))
)

(def-class amphibians (pets)
)

(def-class animal-boarding (pets)
  ((use_for :value pets-boarding
      :value boarding-for-pets))
)

(def-class animal-boarding-licences (animal-boarding)
  ((use_for :value cattery-licences
      :value kennel-licences))
)

(def-class catteries (animal-boarding)
)

(def-class kennels (animal-boarding)
)

(def-class bird-keeping (pets)
  ((related_term :value birds
      :value aviaries))
)

(def-class cage-birds (bird-keeping)
  ((related_term :value birds))
)

(def-class budgerigars (cage-birds)
)
(def-class cats (pets))
)

(def-class dogs (pets))
)

(def-class dog-training (dogs)
  ((use_for :value obedience-training))
)

(def-class microchipping (dogs)
  ((use_for :value micro-chipping))
)

(def-class stray-dogs (dogs))
)

(def-class donkeys (pets))
)

(def-class fish (pets))
)

(def-class goldfish (fish))
)

(def-class koi (fish)
  ((use_for :value koi-carp))
)

(def-class guinea-pigs (pets)
  ((use_for :value cavies))
)

(def-class hamsters (pets))
)

(def-class pet-shows (pets))
)

(def-class ponies (pets))
)

(def-class rabbits (pets))
)
(def-class reptiles (pets)
)

(def-class vets (pets)
  ((related_term :value animal-welfare-organisations))
)

(def-class public-speaking (hobbies)
  ((related_term :value communication-skills))
)

(def-class debating (public-speaking)
)

(def-class railway-preservation (hobbies)
  ((related_term :value train-spotting
    :value preserved-railways)
   (use_for :value locomotive-preservation
     :value train-preservation
     :value steam-engines-preservation))
)

(def-class reading-groups (hobbies)
)

(def-class ship-preservation (hobbies)
  ((use_for :value boat-preservation))
)

(def-class train-spotting (hobbies)
  ((related_term :value railway-preservation
    :value preserved-railways))
)

(def-class treasure-hunting (hobbies)
  ((related_term :value metal-detecting))
)

(def-class places-to-visit (leisure)
  ((related_term :value what-s-on
    :value natural-world
    :value waterways
    :value entertainment
    :value areas-of-outstanding-natural-beauty

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(def-class aquariums (places-to-visit)
  ((related_term :value areas-of-special-scientific-interest)
   (use_for :value events
    :value day-s-out)
   (has_ecc_a-z :value true)))

(def-class aviaries (places-to-visit)
  ((related_term :value birds
    :value bird-keeping))
  )

(def-class boot-fairs (places-to-visit)
  ((related_term :value markets)
   (use_for :value boot-sales
    :value car-boot-sales))
  )

(def-class bunkers (places-to-visit)
  ((use_for :value nuclear-bunkers))
  )

(def-class coasts (places-to-visit)
  ((related_term :value coastal-protection
    :value countryside
    :value nature-conservation))
  )

(def-class beaches (coasts)
  )

(def-class estuaries (coasts)
  ((related_term :value rivers))
  )

(def-class countryside (places-to-visit)
  ((related_term :value countryside-preservation
    :value coasts
    :value nature-conservation))
  )

(def-class rivers (countryside)
  ((related_term :value waterways
(def-class woodland (countryside)
  ((use_for :value forests))
)

(def-class forges (places-to-visit)
)

(def-class gardens (places-to-visit)
  ((use_for :value public-gardens))
)

(def-class historic-buildings (places-to-visit)
  ((related_term :value conservation
    :value listed-buildings
    :value history)
   (use_for :value historic-sites)
   (has_ecc_a-z :value true))
)

(def-class ancient-monuments (historic-buildings)
  ((use_for :value historic-monuments))
)

(def-class castles (historic-buildings)
)

(def-class church-buildings (historic-buildings)
  ((related_term :value places-of-worship))
)

(def-class forts (historic-buildings)
)

(def-class historic-houses (historic-buildings)
)

(def-class marinas (places-to-visit)
)

(def-class markets (places-to-visit)
  ((related_term :value food-and-drink

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(def-class farmer-s-markets (markets)
  ((related-term :value organic-produce
                 :value farm-shops)))

(def-class women-s-institute-markets (farmer-s-markets)
  ((use-for :value wi-markets)
   (misspell :value womens-institute-markets)))

(def-class womens-institute-markets (farmer-s-markets)
  )

(def-class livestock-markets (markets)
  )

(def-class market-licences (markets)
  ((use-for :value livestock-market-licences)))

(def-class market-stalls (markets)
  )

(def-class mills (places-to-visit)
  )

(def-class tide-mills (mills)
  )

(def-class water-mills (mills)
  ((use-for :value watermills)))

(def-class windmills (mills)
  ((use-for :value wind-mills)))

(def-class museums (places-to-visit)
  ((related-term :value library-services
                 :value heritage-services))
(has_ecc_a-z :value true))
)

(def-class agricultural-museums (museums)
)

(def-class aviation-museums (museums)
)

(def-class maritime-museums (museums)
)

(def-class railway-museums (museums)
)

(def-class transport-museums (museums)
)

(def-class nightclubs (places-to-visit)
)

(def-class discotheques (nightclubs)
  ((use_for :value disco-s))
)

(def-class parks (places-to-visit)
  ((related_term :value playgrounds)
   (use_for :value spaces))
)

(def-class country-parks (parks)
  ((has_ecc_a-z :value true))
)

(def-class picnic-sites (parks)
)

(def-class recreation-grounds (parks)
  ((related_term :value playing-fields
       :value adventure-playgrounds))
)

(def-class town-parks (parks)
)
(def-class piers (places-to-visit))

(def-class planetariums (places-to-visit)
  ((related-term :value astronomy)))

(def-class preserved-railways (places-to-visit)
  ((related-term :value train-spotting
                 :value railway-preservation)))

(def-class miniature-railways (preserved-railways))

(def-class narrow-gauge-railways (preserved-railways))

(def-class steam-railways (preserved-railways))

(def-class pubs (places-to-visit)
  ((related-term :value restaurants)
   (use_for :value public-houses
            :value eating-out)))

(def-class restaurants (places-to-visit)
  ((related-term :value pubs)
   (use_for :value eating-out)))

(def-class shops (places-to-visit)
  ((related-term :value organic-produce
                 :value markets)))

(def-class early-closing-times (shops))

(def-class fair-trade-shops (shops)
  ((related-term :value fair-trade)))

(def-class farm-shops (shops))
(related_term :value farmer-s-markets)
)

(def-class pet-shops (shops)
)

(def-class shopping-centres (shops)
  (use_for :value shopping-precincts)
)

(def-class street-hawkers-licences (shops)
  (related_term :value street-hawkers)
)

(def-class street-traders-licences (shops)
)

(def-class sunday-trading-licences (shops)
)

(def-class social-clubs (places-to-visit)
)

(def-class singles-clubs (social-clubs)
)

(def-class zoos (places-to-visit)
)

(def-class animal-collections (zoos)
)

(def-class tourism (leisure)
  (related_term :value town-twinning
    :value leisure-services)
  (has_ecc_a-z :value true))
)

(def-class guided-tours (tourism)
  (use_for :value guided-walks)
)

(def-class guided-walks (guided-tours)
)
(def-class holiday-accommodation (tourism)
  (use_for :value tourist-accommodation))
)

(def-class beach-huts (holiday-accommodation)
  (related_term :value beach-hut-licences))
)

(def-class bed-and-breakfast (holiday-accommodation)
  (related_term :value guest-houses
                :value types-of-housing))
)

(def-class camping (holiday-accommodation)
  (related_term :value camp-site-licences))
)

(def-class camp-sites (camping)
  (use_for :value camping-sites))
)

(def-class caravans (holiday-accommodation)
  (related_term :value mobile-homes))
)

(def-class guest-houses (holiday-accommodation)
  (related_term :value bed-and-breakfast)
  (use_for :value boarding-houses))
)

(def-class hotels (holiday-accommodation)
)
)

(def-class self-catering-accommodation (holiday-accommodation)
  (use_for :value cottages))
)

(def-class youth-hostels (holiday-accommodation)
)

(def-class tourist-information-services (tourism)
  (related_term :value advice-centres)
  (use_for :value tourist-information-centres
            :value visitor-information-centres))
)

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(def-class science-and-technology (seamless-uk-top-class) )

(def-class sciences (science-and-technology) )

(def-class life-sciences (sciences) )

(def-class botany (life-sciences) )

(def-class zoology (life-sciences) )

(def-class physical-sciences (sciences) )

(def-class astronomy (physical-sciences) 
  ((related_term :value planetariums)) )

(def-class biology (physical-sciences) )

(def-class freshwater-biology (biology) )

(def-class human-biology (biology) )

(def-class marine-biology(biology) )

(def-class chemistry (physical-sciences) )

(def-class geography (physical-sciences) )
(def-class geology (physical-sciences) )

(def-class mineralogy (physical-sciences) )

(def-class physics (physical-sciences) )

(def-class social-sciences (sciences) )

(def-class economics (social-sciences)  
   ((related_term :value economic-development)) )

(def-class information-science (social-sciences) )

(def-class philosophy (social-sciences) )

(def-class psychology (social-sciences) )

(def-class sociology (social-sciences) )

(def-class technology (science-and-technology) )

(def-class engineering (technology) )

(def-class civil-engineering (engineering) )

(def-class electrical-engineering (engineering) )

(def-class electronic-engineering (engineering)  
   ((use_for :value electronics)) )

(def-class mechanical-engineering (engineering) )
(def-class vehicle-repair (mechanical-engineering))

(def-class surveying (engineering))

(def-class information-and-communication-technology (technology))

(def-class communication (information-and-communication-technology)
  ((related_term :value media)))

(def-class telecommunication (communication))

(def-class information-management (information-and-communication-technology))

(def-class information-technology (information-and-communication-technology))

(def-class computers (information-technology))

(def-class personal-computers (computers))

(def-class internet (information-technology)
  ((related_term :value media)
    (use_for :value internet-access
      :value internet-access-points)))

(def-class cybercafes (internet))

(def-class e-mail (internet)
  ((use_for :value email)))

(def-class world-wide-web (internet)
  ((use_for :value www))

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(def-class software (information-technology))

(def-class computer-aided-design (software)
  ((related_term :value design)
   (use_for :value cad)))

(defun class databases (software))

(defun class desk-top-publishing (software))

(defun class spreadsheets (software))

(defun class web-design (software))

(defun class word-processing (software))

;;; Domain definition of SOCIAL ISSUE, ADVICE and SUPPORT
;;;
(defun class social-issues-advice-and-support (seamless-uk-top-class))

(defun class support-groups-and-services (social-issues-advice-and-support)
  ((related-term :value families
   :value social-issues)))

(defun class befriending-groups (support-groups-and-services))

(defun class bereavement-groups (support-groups-and-services)
  ((related-term :value bereavement-advice)
   (use_for :value bereaved-people))
)
(def-class widowers (bereavement-groups)
   ((use_for :value widowed-people))
)

(def-class widows (bereavement-groups)
   ((use_for :value widowed-people))
)

(def-class bi-sexual-people-s-groups (support-groups-and-services)
   ((related_term :value gay-and-lesbian-groups))
)

(def-class carers-support-groups(support-groups-and-services)
)

(def-class carers (carers-support-groups)
   ((scope_note :value "Care by relatives, friends neighbours and volunteers")
     (has_ecc_a-z :value true))
)

(def-class community-care-services (support-groups-and-services)
   ((use_for :value social-welfare-services
             :value outreach-services)
     (has_ecc_a-z :value true))
)

(def-class charges-for-care (community-care-services)
)

(def-class children-in-care (community-care-services)
)

(def-class day-care-services (community-care-services)
   ((related_term :value day-care-centres))
)

(def-class lunch-clubs (day-care-services)
   ((use_for :value luncheon-clubs))
)

(def-class domicilary-care-services (community-care-services)
)

(def-class home-care-services (community-care-services)
   ((has_ecc_a-z :value true))
)
(def-class home-help-services (home-care-services))

(def-class laundry-services (home-care-services))

(def-class meals-on-wheels (home-care-services)
  ((has_ecc_a-z :value true)))

(def-class mentoring-services (community-care-services))

(def-class missing-people-services (community-care-services))

(def-class respite-care-services (community-care-services))

(def-class services-for-housebound-people (community-care-services)
  ((related_term :value disabled-people)
   (use_for :value housebound-services)))

(def-class divorced-people-s-groups (support-groups-and-services)
  ((use_for :value divorced-and-separated
            :value separated-and-divorced)))

(def-class dog-walking-services (support-groups-and-services))

(def-class ex-service-groups (support-groups-and-services))

(def-class family-support-services (support-groups-and-services)
  ((related_term :value children-and-families)))

(def-class gay-and-lesbian-groups (support-groups-and-services)
  ((related_term :value women-s-groups
                 :value men-s-groups
                 :value bi-sexual-people-s-groups))
(def-class interpreting-services (support-groups-and-services)
  ((use_for :value interpreters))
)

(def-class left-handed-people-s-groups(support-groups-and-services)
  )

(def-class mens-groups(support-groups-and-services)
  ((related_term :value gay-and-lesbian-groups))
  )

(def-class older-people (support-groups-and-services)
  ((related_term :value employment
    :value university-of-the-third-age
    :value benefits-for-older-people
    :value independent-living-network)
   (use_for :value elderly
    :value elderly-people
    :value oap-s
    :value old-age-pensioners
    :value pensioners
    :value retired-people
    :value senior-citizens
    :value retirement-and-pensioners-organisations
    :value pensioners-organisations)
   (has_ecc_a-z :value true))
  )

(def-class alarms-for-older-people (older-people)
  )

(def-class over-sixties-clubs (older-people)
  ((use_for :value clubs-for-older-people
    :value senior-citizens-clubs
    :value pensioners-clubs
    :value elderly-clubs
    :value elderly-people-clubs))

(def-class retirement-groups (older-people)
  )

(def-class resident-s-associations (support-groups-and-services)
  ((related_term :value housing)
  )

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(use_for :value resident-s-groups
    :value tenant-s-associations
    :value tenant-s-groups))
)

(def-class self-help-groups (support-groups-and-services)
  )

(def-class translating-services(support-groups-and-services)
  ((use_for :value translators
    :value translation)))

(def-class victim-support-groups (support-groups-and-services)
  )

(def-class voluntary-care-services (support-groups-and-services)
  ((related_term :value voluntary-organisations))
  )

(def-class volunteering (voluntary-care-services)
  ((use_for :value voluntary-work))
  )

(def-class voluntary-sector (volunteering)
  )

(def-class voluntary-services (volunteering)
  )

(def-class council-for-voluntary-services (voluntary-services)
  ((use_for :value cvs))
  )

(def-class women-s-royal-voluntary-service (voluntary-services)
  ((use_for :value wrvs))
  )

(def-class volunteers (volunteering)
  )

(def-class voluntary-organisations (support-groups-and-services)
  ((related_term :value voluntary-care-services))
  )

(def-class women-s-groups (support-groups-and-services)
  )
((related_term :value gay-and-lesbian-groups)
 (use_for :value ladies-groups
   :value female-groups))
)

(def-class housewives-groups (women-s-groups)
 )

(def-class young-wives-groups (housewives-groups)
 )

(def-class ladies-circle (women-s-groups)
 )

(def-class mother-s-union (women-s-groups)
 )

(def-class national-women-s-register (women-s-groups)
 )

(def-class professional-women-s-groups (women-s-groups)
 ((related_term :value business-women))
 )

(def-class townswomen-s-guilds (women-s-groups)
 )

(def-class women-s-institute (women-s-groups)
 ((use_for :value wi))
 )

(def-class advice-services (social-issues-advice-and-support)
 ((related_term :value utilities
   :value law
   :value business-services
   :value legal-advice
   :value counselling
   :value planning
   :value family-counselling)
 (use_for :value welfare-and-advice-organisations
   :value information-and-advice-for-older-people))
 )

(def-class advice-agencies (advice-services)
 ((related_term :value nationality

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(def-class advice-centres (advice-agencies)
  ((related_term :value tourist-information-services
    :value careers-centres
    :value community-facilities)
   (use_for :value information-centres
    :value information-bureaux
    :value contact-centres
    :value one-stop-shops
    :value community-information-centres
    :value community-information-points)
   (has_ecc_a-z :value true))
)

(def-class citizen-s-advice-bureaux (advice-agencies)
  ((use_for :value cab-s))
)

(def-class advice-helplines (advice-services)
  ((related_term :value telephone-action-lines
    :value samaritans)
   (use_for :value telephone-helplines
    :value helplines
    :value advice-help-lines
    :value call-centres
    :value careline))
)

(def-class bereavement-advice (advice-services)
  ((related_term :value register-offices
    :value probate
    :value bereavement-groups
    :value bereavement-benefits
    :value death)
   (use_for :value advice-following-a-death
    :value what-to-do-when-someone-dies))
)

(def-class complaints-advice (advice-services)
  ((related_term :value litter))
)
(def-class animal-nuisances (complaints-advice)
  ((related-term :value pest-control-services)
   (use-for :value barking-dogs)))
)

(def-class noise-nuisances (complaints-advice)
  )

(def-class problems-with-neighbours (complaints-advice)
  )

(def-class consumer-protection (advice-services)
  ((related-term :value financial-advice)
   (use-for :value consumer-advice)
   (has-ecct-a-z :value true)))
)

(def-class consumer-advice (consumer-protection)
  ((has-ecct-a-z :value true)))
)

(def-class consumer-rights (consumer-protection)
  )

(def-class trading-standards (consumer-protection)
  ((related-term :value public-services
    :value animal-husbandry)
   (use-for :value licences)
   (has-ecct-a-z :value true)))
)

(def-class advertising (trading-standards)
  ((use-for :value misleading-advertising)))
)

(def-class calibration-services (trading-standards)
  ((use-for :value weights-and-measures
    :value liquid-petroleum-gas-calibration
    :value petrol-calibration)))
)

(def-class counterfeit-goods (trading-standards)
  ((related-term :value advice-on-fraud)
   (use-for :value fake-goods)))
)
(def-class fair-trading (trading-standards)
  ((use_for :value doorstep-sales-persons)
   (has_ecc_a-z :value true)))
)

(def-class faulty-goods (trading-standards)
  ((has_ecc_a-z :value true)))
)

(def-class product-labelling (trading-standards)
  ((related_term :value food-safety)
   (use_for :value description-of-goods
     :value hallmarking)
   (has_ecc_a-z :value true)))
)

(def-class product-packaging (trading-standards)
  )
)

(def-class public-weightbridges (trading-standards)
  ((use_for :value weighbridges
     :value public-weighbridges
     :value weigh-bridges))
  )

(def-class street-hawkers (trading-standards)
  ((related_term :value street-hawkers-licences)
   (use_for :value food-hawkers
     :value street-trading))
  )

(def-class financial-advice (advice-services)
  ((related_term :value housing
     :value banking
     :value legal-advice
     :value compensation
     :value consumer-protection)
   (use_for :value money-advice))
  )

(def-class benefits-by-type (financial-advice)
  )
(def-class attendance-allowance (benefits-by-type))

(def-class benefits-for-older-people (benefits-by-type)
  ((related_term :value older-people))
)

(def-class bereavement-benefits (benefits-by-type)
  ((related_term :value bereavement-advice))
)

(def-class clothing-allowance (benefits-by-type))

(def-class family-benefits (benefits-by-type))

(def-class children-s-benefits (family-benefits))

(def-class maternity-benefits (family-benefits))

(def-class free-school-meals (benefits-by-type))

(def-class free-school-milk (benefits-by-type))

(def-class fuel-grants (benefits-by-type)
  ((related_term :value housing)))

(def-class winter-fuel-allowance (fuel-grants))

(def-class health-benefits (benefits-by-type))

(def-class housing-benefits (benefits-by-type)
  ((related_term :value housing
                :value building-repairs
                :value residential-homes
                :value nursing-homes))
)
(def-class council-tax-benefits (housing-benefits)
  ((related_term :value council-tax))
)

(def-class decoration-allowance (housing-benefits)
  ((related_term :value building-alterations))
)

(def-class home-improvement-grants (housing-benefits)
  ((related_term :value building-work))
)

(def-class renovation-grants (housing-benefits)
  ((related_term :value housing))
)

(def-class income-support (benefits-by-type)
)

(def-class job-seekers-allowance (benefits-by-type)
)

(def-class sickness-and-disabilities-benefit (benefits-by-type)
)

(def-class disability-living-allowance (sickness-and-disabilities-benefit)
  ((related_term :value disabled-people))
)

(def-class help-with-health-costs (sickness-and-disabilities-benefit)
  ((related_term :value health))
)

(def-class incapacity-benefit (sickness-and-disabilities-benefit)
)

(def-class invalid-care-allowance (sickness-and-disabilities-benefit)
)

(def-class severe-disablement-allowance (sickness-and-disabilities-benefit)
)

(def-class social-fund-payments (benefits-by-type)
)
(def-class social-security (benefits-by-type)
  )

(def-class tax-credits (benefits-by-type)
  )

(def-class travel-concessions (benefits-by-type)
  ((related_term :value transport))
  )

(def-class work-related-benefits (benefits-by-type)
  )

(def-class advice-on-fraud (financial-advice)
  ((related_term :value counterfeit-goods))
  )

(def-class benefits-advice-services (financial-advice)
  ((related_term :value benefits-administration)
    (use_for :value welfare-rights-services
      :value benefits-information))
  )

(def-class benefits-agencies (benefits-advice-services)
  )

(def-class welfare-rights-advice (benefits-advice-services)
  )

(def-class credit-advice (financial-advice)
  ((use_for :value advice-on-money-lenders))
  )

(def-class debt-advice (financial-advice)
  ((related_term :value rent-arrears)
    (use_for :value debt-counselling))
  )

(def-class financial-counselling (financial-advice)
  ((related_term :value counselling))
  )

(def-class maintenance-payments (financial-advice)
  ((related_term :value divorce))
  )
(def-class mortgages (financial-advice)
  ((related_term :value repossession
    :value housing)
   (use_for :value council-mortgages)))

(def-class pensions (financial-advice))

(def-class personal-loans (financial-advice))

(def-class health-advice-services (advice-services)
  ((related_term :value health)))

(def-class housing-advice-services (advice-services)
  ((related_term :value housing)))

(def-class retirement-advice (advice-services))

(def-class campaigning (social-issues-advice-and-support)
  ((related_term :value media)))

(def-class charity-collections (campaigning)
  ((related_term :value charitable-organisations)
    (use_for :value flag-days
      :value house-to-house-collections
      :value raffles
      :value street-collections)))

(def-class charity-licences (charity-collections)
  ((use_for :value house-to-house-collection-licences
    :value lotteries-licences
    :value prize-permits
    :value street-collection-licences)))
(def-class fund-raising (campaigning)
  ((use_for :value raffles
         :value fundraising))))

(def-class grants-for-charities (fund-raising))

(def-class loans-for-charities (fund-raising))

(def-class sponsorship-for-charities (fund-raising))

(def-class lobbying (campaigning)
  ((related_term :value media)))

(def-class pressure-groups (campaigning)
  ((related_term :value nuclear-disarmament
                :value peace-groups
                :value international-affairs)))

(def-class pro-life-groups (pressure-groups)
  ((related_term :value abortion)
   (use_for :value anti-abortion-groups
            :value pro-life-groups)))

(def-class charitable-organisations (social-issues-advice-and-support)
  ((related_term :value charity-collections)
   (use_for :value charitable-trusts
            :value charities
            :value charitable-foundations)))

(def-class animal-welfare-organisations (charitable-organisations)
  ((related_term :value vets
                 :value pets
                 :value wildlife)))

(def-class animal-rescue-centres (animal-welfare-organisations))
(def-class benevolent-societies (charitable-organisations))

(def-class british-red-cross (charitable-organisations)
  ((related_term :value first-aid-training)
   (use_for :value red-cross)))

(def-class charity-shops (charitable-organisations))

(def-class credit-unions (charitable-organisations))

(def-class deaf-clubs (charitable-organisations)
  ((related_term :value hearing-impaired-people
                :value deaf-people)))

(def-class friendly-societies (charitable-organisations))

(def-class friends-of-churches (charitable-organisations)
  ((related_term :value churches)))

(def-class inner-wheel-clubs (charitable-organisations))

(def-class international-aid-organisations (charitable-organisations))

(def-class lionesses-clubs (charitable-organisations))

(def-class lions-clubs (charitable-organisations))

(def-class rotaract-clubs (charitable-organisations))

(def-class rotary-clubs (charitable-organisations))
(def-class round-table-groups (charitable-organisations)
 )

(def-class samaritans (charitable-organisations)
 ((related_term :value advice-helplines))
 )

(def-class service-associations (charitable-organisations)
 ((related_term :value armed-forces)
   (use_for :value services-associations))
 )

(def-class association-of-wrens (service-associations)
 )

(def-class burma-star-association (service-associations)
 )

(def-class far-east-veterans-association (service-associations)
 )

(def-class fleet-air-arm-association (service-associations)
 )

(def-class merchant-navy-association (service-associations)
 )

(def-class royal-airforces-association (service-associations)
 )

(def-class royal-artillary-association (service-associations)
 )

(def-class royal-british-legion (service-associations)
 )

(def-class royal-naval-association (service-associations)
 )

(def-class royal-observer-corps (service-associations)
 )

(def-class soldiers-sailors-and-airforce-families-association (service-associations)
 ((use_for :value ssafa))
 )

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(def-class war-veterans (service-associations))

(def-class soroptimists-groups (charitable-organisations))

(def-class st-john-ambulance (charitable-organisations)
  ((related_term :value first-aid-training)))

(def-class young-farmers-groups (charitable-organisations)
  ((use_for :value young-farmers)))

(def-class young-men-s-christian-association (charitable-organisations)
  ((use_for :value ymca)))

(def-class young-women-s-christian-association (charitable-organisations)
  ((use_for :value ywca)))

(def-class community-facilities (social-issues-advice-and-support)
  ((related_term :value advice-centres)))

(def-class activity-centres (community-facilities)
  ((use_for :value outdoor-activity-centres
              :value residential-activity-centres)
   (has_ecc_a-z :value true)))

(def-class cemeteries (community-facilities))

(def-class community-centres (community-facilities)
  ((related_term :value conference-venues)
   (use_for :value public-rooms
              :value public-halls
              :value community-halls)))

(def-class halls-for-hire (community-centres)
  ((related_term :value arts-venues))
(def-class pavilions-for-hire (community-centres))

(def-class crematoria (community-facilities)
  ((related_term :value cremation)))

(def-class cremations (crematoria))

(def-class day-care-centres (community-facilities)
  ((related_term :value day-care-services)
   (use_for :value day-centres-for-older-people
     :value elderly-day-centres
     :value pensioners-day-centres
     :value older-people-day-centres)
   (has_ecc_a-z :value true)))

(def-class drop-in-centres (community-facilities))

(def-class family-centres (community-facilities))

(def-class gardens-of-rest (community-facilities))

(def-class meetings-rooms (community-facilities))

(def-class mortuaries (community-facilities))

(def-class neighbourhood-centres (community-facilities))

(def-class resource-centres (community-facilities))

(def-class women-s-centres (community-facilities))

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(def-class youth-centres (community-facilities)
  ((related_term :value young-people)
   (use_for :value youth-clubs)))
)

(def-class counselling (social-issues-advice-and-support)
  ((related_term :value mental-health
    :value careers
    :value employment-counselling
    :value family-counselling
    :value financial-counselling
    :value advice-services))
)

(def-class family-counselling (counselling)
  ((related_term :value families
    :value counselling
    :value advice-services)
   (use_for :value family-welfare-and-advice))
)

(def-class genetic-counselling (counselling)
)

(def-class marriage-guidance (counselling)
  ((related_term :value relationship-counselling
    :value marriage-breakdown
    :value families))
)

(def-class divorce-counselling (marriage-guidance)
)

(def-class marriage-preparation (marriage-guidance)
)

(def-class mediation (counselling)
)

(def-class relationship-counselling (counselling)
  ((related_term :value marriage-guidance))
)

(def-class social-issues (social-issues-advice-and-support)
  ((related_term :value support-groups-and-services)
(use_for :value moral-issues
   :value ethical-issues))
)

(def-class abuse (social-issues)
   ((use_for :value harassment))
)

(def-class bullying (abuse)
   ((related_term :value children
      :value employment
      :value education-careers-and-training))
)

(def-class child-abuse (abuse)
)

(def-class racial-abuse (abuse)
)

(def-class sexual-abuse (abuse)
)

(def-class incest (sexual-abuse)
)

(def-class rape (sexual-abuse)
   ((related_term :value criminal-law))
)

(def-class torture (abuse)
)

(def-class violence (abuse)
)

(def-class domestic-violence (violence)
)

(def-class animal-rights (social-issues)
   ((related_term :value law)
      (use_for :value cruelty-to-animals
       :value animal-abuse))
)

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(def-class vivisection (animal-rights))
)

(def-class citizenship (social-issues)
  ((related-term :value immigration-control
  :value civil-liberties))
)

(def-class asylum-seekers (citizenship)
  ((related-term :value refugees
  :value immigration-control))
)

(def-class deportation (citizenship)
  ((related-term :value immigration-law))
)

(def-class ethnic-minority-groups (citizenship)
  ((related-term :value ethnic-origin)
  (use-for :value ethnic-minorities))
)

(def-class identity-cards (citizenship)
)

(def-class nationality (citizenship)
  ((related-term :value immigration-law
  :value advice-agencies))
)

(def-class refugees (citizenship)
  ((related-term :value asylum-seekers
  :value immigration-control))
)

(def-class detention-centres (refugees)
)

(def-class work-permits (refugees)
  ((related-term :value employment))
)

(def-class crime-and-disorder (social-issues)
  ((related-term :value criminal-law)
  (use-for :value anti-social-behaviour))
)
(def-class crime-prevention (crime-and-disorder)
  ((related_term :value criminal-law))
)

(def-class closed-circuit-television (crime-prevention)
  ((use_for :value cctv))
)

(def-class neighbourhood-watch-schemes (crime-prevention)
)

(def-class death (social-issues)
  ((related-term :value bereavement-advice
                   :value cot-death
                   :value neonatal-death
                   :value perinatal-death))
)

(def-class burials (death)
)

(def-class assisted-burials (burials)
)

(def-class cremation (burials)
  ((related_term :value crematoria))
)

(def-class equal-opportunities (social-issues)
  ((use_for :value equality))
)

(def-class racial-equality (equal-opportunities)
  ((use_for :value racial-awareness))
)

(def-class sexual-equality (equal-opportunities)
  ((use_for :value sexual-orientation-discrimination))
)

(def-class social-exclusion (equal-opportunities)
)
(def-class social-inclusion (equal-opportunities))

(def-class homelessness (social-issues)
  ((related_term :value repossession
    :value poverty
    :value housing)))

(def-class bedfinding-services (homelessness)
  ((use_for :value bed-finding-services)))

(def-class eviction (homelessness))

(def-class homeless-people (homelessness)
  ((use_for :value rough-sleepers)))

(def-class squatters (homelessness))

(def-class marriage-breakdown (social-issues)
  ((related_term :value marriage-guidance)))

(def-class divorce (marriage-breakdown)
  ((related_term :value maintenance-payments)))

(def-class poverty (social-issues)
  ((related_term :value housing
    :value homelessness)))

(def-class third-world (poverty)
  ((use_for :value world-debt)))

(def-class developing-world (third-world))

(def-class warfare (social-issues)
  ((related_term :value armed-forces))
(def-class biological-weapons (warfare)
  ((use_for :value biological-warfare)))

(def-class chemical-weapons (warfare)
  ((use_for :value chemical-warfare)))

(def-class nuclear-weapons (warfare)
  ((related_term :value nuclear-disarmament)
   (use_for :value nuclear-warfare)))

;;;
;; In this section is represented the domain SPORT
;;;

(def-class sport (seamless-uk-top-class)
  ((related_term :value disabled-people
    :value leisure)))

(def-class sports-facilities (sport)
  ((related_term :value cycle-tracks)))

(def-class bowling-greens (sports-facilities)
  ((related_term :value bowls)))

(def-class golf-courses (sports-facilities)
)

(def-class crazy-golf-courses (golf-courses)
)

(def-class pitch-and-putt-courses (golf-courses)
)

(def-class gyms (sports-facilities)
)
(def-class leisure-centres (sports-facilities)
  ((related_term :value leisure))
)

(def-class sports-grounds (sports-facilities)
  ((related_term :value sport-science)
   (use_for :value sports-fields))
)

(def-class sports-pitches (sports-facilities)
  ((use_for :value cricket-pitches
            :value football-pitches
            :value hockey-pitches))
)

(def-class swimming-pools (sports-facilities)
  ((related_term :value swimming)
   (use_for :value leisure-pools))
)

(def-class abseiling (sport)
)

(def-class american-football (sport)
  ((related_term :value football))
)

(def-class angling (sport)
  ((use_for :value fishing))
)

(def-class fishing-licences (angling)
  ((use_for :value fishing-permits))
)

(def-class fly-fishing (angling)
)

(def-class archery (sport)
)

(def-class athletics (sport)
  ((use_for :value field-events
            :value track-events))
)
(def-class decathlon (athletics)
)
(def-class duathlon (athletics)
)
(def-class pentathlon (athletics)
   ((use_for :value modern-pentathlon))
)
(def-class running (athletics)
   ((related_term :value jogging))
)
(def-class cross-country-running (running)
)
(def-class marathon-running (running)
   ((use_for :value half-marathon-running))
)
(def-class road-running (running)
)
(def-class triathlon (athletics)
)
(def-class badminton (sport)
)
(def-class baseball (sport)
)
(def-class basketball (sport)
)
(def-class billiards (sport)
   ((related_term :value pool :value snooker))
)
(def-class bobsleighing (sport)
)
(def-class boules (sport)
  )

(def-class bowls (sport)
  ((related_term :value bowling-greens))
  )

(def-class crown-green-bowls (bowls)
  ((use_for :value crown-green-bowling))
  )

(def-class indoor-bowls (bowls)
  ((use_for :value carpet-bowls
    :value carpet-bowling
    :value indoor-bowling))
  )

(def-class level-green-bowls (bowls)
  ((use_for :value level-green-bowling))
  )

(def-class short-mat-bowls (bowls)
  ((use_for :value short-mat-bowling))
  )

(def-class skittles (bowls)
  )

(def-class ten-pin-bowling (bowls)
  )

(def-class boxing (sport)
  ((related_term :value boxing-licences))
  )

(def-class carriage-driving (sport)
  )

(def-class caving (sport)
  ((use_for :value pot-holing))
  )

(def-class climbing (sport)
  ((use_for :value mountaineering))
  )
(def-class hill-climbing (climbing)
)

(def-class cricket (sport)
)

(def-class croquet (sport)
)

(def-class curling (sport)
)

(def-class cycling (sport)
  ((related-term :value road-safety
    :value bicycles
    :value bicycle-maintenance
    :value cycling-proficiency-tests)
   (use-for :value cycle-racing))
)

(def-class bmx-racing (cycling)
)

(def-class cycle-touring (cycling)
)

(def-class cyclocross (cycling)
)

(def-class darts (sport)
)

(def-class exercise (sport)
  ((use-for :value fitness))
)

(def-class aerobics (exercise)
)

(def-class step-aerobics (aerobics)
)

(def-class callanetics (exercise)
)
(def-class circuit-training (exercise))

(def-class danceexercise (exercise))

(def-class keep-fit (exercise))

(def-class pilates (exercise))

(def-class tai-chi (exercise))

(def-class weight-training (exercise)
  ((use_for :value body-building)))

(def-class fencing (sport))

(def-class flying (sport)
  ((related_term :value aircraft-spotting)))

(def-class aeronautics (flying))

(def-class ballooning (flying))

(def-class gliding (flying))

(def-class hang-gliding (flying))

(def-class microlight-flying (flying)
  ((use_for :value micro-light-flying)))

(def-class parasending (flying))
((related_term :value parachuting
    :value watersports)
  (misspell :value paracending))
)

(def-class paracending (flying)
)

(def-class parachuting (flying)
  ((related_term :value parascending))
)

(def-class football (sport)
  ((related_term :value american-football)
    (use_for :value association-football
      :value soccer))
)

(def-class five-a-side-football (football)
)

(def-class frisbees (sport)
  ((use_for :value ultimate))
)

(def-class golf (sport)
)

(def-class greyhound-racing (sport)
  ((use_for :value dog-racing))
)

(def-class gymnastics (sport)
)

(def-class trampolining (gymnastics)
)

(def-class handball (sport)
)

(def-class hockey (sport)
)

(def-class ice-hockey (hockey)
(def-class roller-hockey (hockey))

(def-class inline-hockey (roller-hockey))

(def-class street-hockey (hockey))

(def-class ice-skating (sport)
  ((use_for :value skating)))

(def-class jogging (sport)
  ((related_term :value running)))

(def-class kite-flying (sport)
  ((related_term :value kite-making)))

(def-class lacrosse (sport))

(def-class land-yachting (sport)
  ((related_term :value yachting)))

(def-class martial-arts (sport)
  ((related_term :value self-defence)))

(def-class aikido (martial-arts))

(def-class bo-staff (martial-arts))

(def-class capoeira (martial-arts))

(def-class gatika (martial-arts))
(def-class iaido (martial-arts))

(def-class jikishin (martial-arts))

(def-class ju-jitsu (martial-arts))

(def-class judo (martial-arts)
  ((use_for :value sahura-bana-kwai)))

(def-class karate (martial-arts)
  ((use_for :value shotokan)))

(def-class kendo (martial-arts))

(def-class kickboxing (martial-arts))

(def-class kobudo (martial-arts))

(def-class kobutan (martial-arts))

(def-class kuk-sool-won (martial-arts))

(def-class kung-fu (martial-arts))

(def-class lou-gar (martial-arts))

(def-class nun-chaku (martial-arts))

(def-class tae-quanta (martial-arts))
(def-class taekwon-do (martial-arts))

(def-class tai-chi-chuan (martial-arts))

(def-class tang-soo-do (martial-arts))

(def-class thai-boxing (martial-arts))

(def-class motor-sports (sport)
  ((use_for :value motor-car-sports))
)

(def-class autocross (motor-sports))

(def-class drag-racing (motor-sports))

(def-class karting (motor-sports)
  ((use_for :value go-karting))
)

(def-class motor-cycle-racing (motor-sports)
  ((related_term :value motor-cycles)
   (use_for :value motorcycle-racing
     :value motor-bike-racing
     :value motorbike-racing))
)

(def-class motor-racing (motor-sports))

(def-class rallying (motor-sports))

(def-class netball (sport))

(def-class orienteering (sport)
  ((related_term :value walking))
)
(def-class petanque (sport))

(def-class pigeon-racing (sport)
  ((use_for :value homing)))

(def-class polo (sport))

(def-class pool (sport)
  ((related_term :value billiards
                  :value snooker)))

(def-class riding (sport)
  ((related_term :value horse-racing)
   (use_for :value horse-riding)))

(def-class horse-racing (riding)
  ((related_term :value riding)))

(def-class point-to-point (horse-racing))

(def-class hunting (riding))

(def-class pony-trekking (riding))

(def-class riding-schools (riding))

(def-class riding-school-licences (riding-schools))

(def-class show-jumping (riding)
  ((use_for :value eventing)))

(def-class roller-blading (sport))
((related_term :value roller-skating))
)

(def-class roller-skating (sport)
  ((related_term :value roller-blading))
)

(def-class rounders (sport)
)

(def-class rugby (sport)
)

(def-class rugby-fives (rugby)
)

(def-class rugby-league (rugby)
)

(def-class rugby-union (rugby)
)

(def-class self-defence (sport)
  ((related_term :value martial-arts))
)

(def-class shooting (sport)
)

(def-class clay-pigeon-shooting (shooting)
)

(def-class pistol-shooting (shooting)
  ((use_for :value air-pistol-shooting))
)

(def-class rifle-shooting (shooting)
  ((use_for :value air-rifle-shooting
           :value full-bore-rifle-shooting))
)

(def-class wildfowling (shooting)
)

(def-class skateboarding (sport)
)
(def-class skiing (sport)
  ((use_for :value dry-slope-skiing))
)

(def-class snooker (sport)
  ((related_term :value billiards
                 :value pool))
)

(def-class snowboarding (sport)
)

(def-class sport-science (sport)
  ((related_term :value sports-grounds))
)

(def-class sports-administration (sport)
  ((related_term :value sports-services))
)

(def-class coaching (sports-administration)
)

(def-class grants-for-sports (sports-administration)
)

(def-class refereeing (sports-administration)
)

(def-class sporting-entertainment-licences (sports-administration)
)

(def-class sports-centres (sports-administration)
  ((related_term :value lifeguards))
)

(def-class sports-clubs (sports-administration)
  ((related_term :value health-clubs))
)

(def-class sports-councils (sports-administration)
)
(def-class sports-development (sports-administration)  
   ((has_ecc_a-z :value true))
)

(def-class umpiring (sports-administration)
 )

(def-class sports-studies (sport)
 )

(def-class squash (sport)  
   ((related_term :value rackets))
 )

(def-class rackets (squash)  
   ((related_term :value squash))
 )

(def-class racquetball (squash)  
   ((misspell :value racketball  
     :value racquet-ball))
 )

(def-class racketball (squash)  
)

(def-class racquet-ball (squash)  
)

(def-class table-tennis (sport)  
)

(def-class tennis (sport)  
   ((use_for :value lawn-tennis))
 )

(def-class real-tennis (tennis)  
)

(def-class short-tennis (tennis)  
)

(def-class tug-of-war (sport)  
)
(def-class volleyball (sport))

(def-class beach-volleyball (volleyball))

(def-class walking (sport)
 ((related_term :value orienteering)
  (use_for :value long-distance-walking)))

(def-class hiking (walking))

(def-class race-walking (walking))

(def-class rambling (walking))

(def-class watersports (sport)
 ((related_term :value parascending)
  (use_for :value water-sports)))

(def-class boating (watersports)
 ((related_term :value boats)))

(def-class barge-matches (boating))

(def-class boatmen-s-licences (boating))

(def-class boats-licences (boating))

(def-class commercial-boats (boats-licences))

(def-class pleasure-boats (boats-licences))

(def-class canoeing (boating))
((related_term :value rowing))
)

def-class motorboats (boating)
)

def-class motor-cruising (motorboats)
   ((use_for :value motor-boat-sailing))
)

def-class power-boats (boating)
)

def-class power-boat-racing (power-boats)
)

def-class punting (boating)
)

def-class rowing (boating)
   ((related_term :value canoeing))
)

def-class sculling (rowing)
)

def-class sailing (boating)
   ((use_for :value dinghy-sailing))
)

def-class seamanship (sailing)
)

def-class knot-tying (seamanship)
)

def-class navigation (seamanship)
)

def-class yachting (sailing)
   ((related_term :value land-yachting))
)

def-class diving (watersports)
   ((related_term :value swimming))
(def-class scuba-diving (diving))

(def-class springboard-diving (diving)
  ((use_for :value board-diving)))

(def-class sub-aqua-diving (diving))

(def-class jet-skiing (watersports))

(def-class surfing (watersports))

(def-class windsurfing (surfing)
  ((use_for :value board-sailing
      :value sailboarding
      :value sail-boarding)))

(def-class swimming (watersports)
  ((related_term :value life-saving
      :value diving
      :value swimming-pools
      :value first-aid-training
      :value lifeguards)))

(def-class synchronised-swimming (swimming))

(def-class water-polo (watersports))

(def-class waterskiing (watersports)
  ((use_for :value water-skiing)))

(def-class weight-lifting (sport))
(def-class wrestling (sport)
)

(def-class wrestling-licences (wrestling)
)

;;;;
;;;; The following are the classes missing in xml representation, appearing in
;;;; the range of the relation "use_for"
;;;;

(def-class arts-promotion (seamless-uk-top-class)
)

(def-class art-galleries (seamless-uk-top-class)
)

(def-class plays-licences (seamless-uk-top-class)
)

(def-class occasional-stage-plays-licences (seamless-uk-top-class)
)

(def-class heritage (seamless-uk-top-class)
)

(def-class art (seamless-uk-top-class)
)

(def-class creative-writing (seamless-uk-top-class)
)

(def-class playwriting (seamless-uk-top-class)
)

(def-class screenwriting (seamless-uk-top-class)
)

(def-class rhythm-and-blues (seamless-uk-top-class)
)
(def-class country-music (seamless-uk-top-class)
)

(def-class old-time-music-hall (seamless-uk-top-class)
)

(def-class old-tyme-music-hall (seamless-uk-top-class)
)

(def-class pop-music (seamless-uk-top-class)
)

(def-class big-bands (seamless-uk-top-class)
)

(def-class campanology (seamless-uk-top-class)
)

(def-class church-bell-ringing (seamless-uk-top-class)
)

(def-class hand-bell-ringing (seamless-uk-top-class)
)

(def-class music-composition (seamless-uk-top-class)
)

(def-class music-history-of (seamless-uk-top-class)
)

(def-class instrument-hire (seamless-uk-top-class)
)

(def-class percussion (seamless-uk-top-class)
)

(def-class drum (seamless-uk-top-class)
)

(def-class choral-groups (seamless-uk-top-class)
)

(def-class performances (seamless-uk-top-class)
)
(def-class irish-dancing (seamless-uk-top-class)
)

(def-class scottish-dancing (seamless-uk-top-class)
)

(def-class indian-dancing (seamless-uk-top-class)
)

(def-class jazz-dancing (seamless-uk-top-class)
)

(def-class latin-american-dancing (seamless-uk-top-class)
)

(def-class old-tyme-dancing (seamless-uk-top-class)
)

(def-class puppets (seamless-uk-top-class)
)

(def-class theatre-visits (seamless-uk-top-class)
)

(def-class handicrafts (seamless-uk-top-class)
)

(def-class jewellery (seamless-uk-top-class)
)

(def-class needle-crafts (seamless-uk-top-class)
)

(def-class cross-stitch (seamless-uk-top-class)
)

(def-class needlepoint (seamless-uk-top-class)
)

(def-class lace-making (seamless-uk-top-class)
)

(def-class dress-making (seamless-uk-top-class)
)
(def-class china-painting (seamless-uk-top-class))

(def-class radio-broadcasting (seamless-uk-top-class))

(def-class television-broadcasting (seamless-uk-top-class))

(def-class local-newspapers (seamless-uk-top-class))

(def-class local-radio (seamless-uk-top-class))

(def-class piped-television (seamless-uk-top-class))

(def-class humanist (seamless-uk-top-class))

(def-class pagan (seamless-uk-top-class))

(def-class unidentified-flying-objects (seamless-uk-top-class))

(def-class spiritual-healing (seamless-uk-top-class))

(def-class religions (seamless-uk-top-class))

(def-class religion (seamless-uk-top-class))

(def-class c-of-e (seamless-uk-top-class))

(def-class baptist (seamless-uk-top-class))

(def-class evangelical (seamless-uk-top-class))
(def-class kings-church (seamless-uk-top-class))

(def-class evangelism (seamless-uk-top-class))

(def-class french-protestant (seamless-uk-top-class))

(def-class jehovah-s-witness (seamless-uk-top-class))

(def-class methodists (seamless-uk-top-class))

(def-class church-of-jesus-christ-of-the-latter-day-saints (seamless-uk-top-class))

(def-class church-of-jesus-christ-of-the-latter-day-saints (seamless-uk-top-class))

(def-class latter-day-saints (seamless-uk-top-class))

(def-class jesus-christ-of-latter-day-saints (seamless-uk-top-class))

(def-class free-churches (seamless-uk-top-class))

(def-class greek-orthodox (seamless-uk-top-class))

(def-class russian-orthodox (seamless-uk-top-class))

(def-class pentecostal (seamless-uk-top-class))

(def-class religious-society-of-friends (seamless-uk-top-class))

(def-class quaker (seamless-uk-top-class))
(def-class roman-catholic (seamless-uk-top-class) )

(def-class catholic (seamless-uk-top-class) )

(def-class seventh-day-adventist (seamless-uk-top-class) )

(def-class unitarian (seamless-uk-top-class) )

(def-class ure (seamless-uk-top-class) )

(def-class united-reformed (seamless-uk-top-class) )

(def-class buddhist (seamless-uk-top-class) )

(def-class hindu (seamless-uk-top-class) )

(def-class jewish (seamless-uk-top-class) )

(def-class sikhs (seamless-uk-top-class) )

(def-class retreats (seamless-uk-top-class) )

(def-class citadels (seamless-uk-top-class) )

(def-class industry (seamless-uk-top-class) )

(def-class small-medium-enterprises (seamless-uk-top-class) )

(def-class hr-management (seamless-uk-top-class) )
(def-class personnel-management (seamless-uk-top-class)
)

(def-class human-resource-management (seamless-uk-top-class)
)

(def-class leisure-facility-management (seamless-uk-top-class)
)

(def-class business-support-services (seamless-uk-top-class)
)

(def-class business-startups (seamless-uk-top-class)
)

(def-class commerce (seamless-uk-top-class)
)

(def-class computerised-accounting (seamless-uk-top-class)
)

(def-class trading (seamless-uk-top-class)
)

(def-class worker-s-cooperatives (seamless-uk-top-class)
)

(def-class co-operatives (seamless-uk-top-class)
)

(def-class worker-s-co-operatives (seamless-uk-top-class)
)

(def-class businessmen (seamless-uk-top-class)
)

(def-class trade-associations (seamless-uk-top-class)
)

(def-class premises (seamless-uk-top-class)
)

(def-class warehouses (seamless-uk-top-class)
)
(def-class retail-premises (seamless-uk-top-class))

(def-class offices (seamless-uk-top-class))

(def-class real-estate (seamless-uk-top-class))

(def-class commercial-real-estate (seamless-uk-top-class))

(def-class rented-property (seamless-uk-top-class))

(def-class commercial-property (seamless-uk-top-class))

(def-class business-sites (seamless-uk-top-class))

(def-class conference-facilities (seamless-uk-top-class))

(def-class conference-centres (seamless-uk-top-class))

(def-class premises-to-let (seamless-uk-top-class))

(def-class unoccupied-buildings (seamless-uk-top-class))

(def-class dilapidated-structures (seamless-uk-top-class))

(def-class unions (seamless-uk-top-class))

(def-class trades-unions (seamless-uk-top-class))

(def-class vacancies (seamless-uk-top-class))
(def-class selling (seamless-uk-top-class))

(def-class work (seamless-uk-top-class))

(def-class rights-at-work (seamless-uk-top-class))

(def-class employment-advice (seamless-uk-top-class))

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 )
(def-class pensioners-day-centres (seamless-uk-top-class)
 )

(def-class older-people-day-centres (seamless-uk-top-class)
 )

(def-class youth-clubs (seamless-uk-top-class)
 )

(def-class family-welfare-and-advice (seamless-uk-top-class)
 )

(def-class moral-issues (seamless-uk-top-class)
 )

(def-class ethical-issues (seamless-uk-top-class)
 )

(def-class harassment (seamless-uk-top-class)
 )

(def-class cruelty-to-animals (seamless-uk-top-class)
 )

(def-class animal-abuse (seamless-uk-top-class)
 )

(def-class ethnic-minorities (seamless-uk-top-class)
 )

(def-class anti-social-behaviour (seamless-uk-top-class)
 )

(def-class cctv (seamless-uk-top-class)
 )

(def-class equality (seamless-uk-top-class)
 )

(def-class racial-awareness (seamless-uk-top-class)
 )

(def-class sexual-orientation-discrimination (seamless-uk-top-class)
 )
(def-class bed-finding-services (seamless-uk-top-class) )

(def-class rough-sleepers (seamless-uk-top-class) )

(def-class world-debt (seamless-uk-top-class) )

(def-class biological-warfare (seamless-uk-top-class) )

(def-class chemical-warfare (seamless-uk-top-class) )

(def-class nuclear-warfare (seamless-uk-top-class) )

(def-class sports-fields (seamless-uk-top-class) )

(def-class cricket-pitches (seamless-uk-top-class) )

(def-class football-pitches (seamless-uk-top-class) )

(def-class hockey-pitches (seamless-uk-top-class) )

(def-class leisure-pools (seamless-uk-top-class) )

(def-class fishing (seamless-uk-top-class) )

(def-class fishing-permits (seamless-uk-top-class) )

(def-class field-events (seamless-uk-top-class) )

(def-class track-events (seamless-uk-top-class) )

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(def-class modern-pentathlon (seamless-uk-top-class) )

(def-class half-marathon-running (seamless-uk-top-class) )

(def-class crown-green-bowling (seamless-uk-top-class) )

(def-class carpet-bowls (seamless-uk-top-class) )

(def-class carpet-bowling (seamless-uk-top-class) )

(def-class indoor-bowling (seamless-uk-top-class) )

(def-class level-green-bowling (seamless-uk-top-class) )

(def-class short-mat-bowling (seamless-uk-top-class) )

(def-class pot-holing (seamless-uk-top-class) )

(def-class mountaineering (seamless-uk-top-class) )

(def-class cycle-racing (seamless-uk-top-class) )

(def-class fitness (seamless-uk-top-class) )

(def-class body-building (seamless-uk-top-class) )

(def-class micro-light-flying (seamless-uk-top-class) )

(def-class association-football (seamless-uk-top-class) )
(def-class soccer (seamless-uk-top-class)
)

(def-class ultimate (seamless-uk-top-class)
)

(def-class dog-racing (seamless-uk-top-class)
)

(def-class skating (seamless-uk-top-class)
)

(def-class sahura-bana-kwai (seamless-uk-top-class)
)

(def-class shotokan (seamless-uk-top-class)
)

(def-class motor-car-sports (seamless-uk-top-class)
)

(def-class go-karting (seamless-uk-top-class)
)

(def-class motorcycle-racing (seamless-uk-top-class)
)

(def-class motor-bike-racing (seamless-uk-top-class)
)

(def-class motorbike-racing (seamless-uk-top-class)
)

(def-class homing (seamless-uk-top-class)
)

(def-class horse-riding (seamless-uk-top-class)
)

(def-class eventing (seamless-uk-top-class)
)

(def-class air-pistol-shooting (seamless-uk-top-class)
)
(def-class air-rifle-shooting (seamless-uk-top-class))

(def-class full-bore-rifle-shooting (seamless-uk-top-class))

(def-class dry-slope-skiing (seamless-uk-top-class))

(def-class racketball (seamless-uk-top-class))

(def-class racquet-ball (seamless-uk-top-class))

(def-class lawn-tennis (seamless-uk-top-class))

(def-class long-distance-walking (seamless-uk-top-class))

(def-class water-sports (seamless-uk-top-class))

(def-class motor-boat-sailing (seamless-uk-top-class))

(def-class dinghy-sailing (seamless-uk-top-class))

(def-class board-diving (seamless-uk-top-class))

(def-class board-sailing (seamless-uk-top-class))

(def-class sailboarding (seamless-uk-top-class))

(def-class sail-boarding (seamless-uk-top-class))

(def-class water-skiing (seamless-uk-top-class))