2019-01-30 - SLPG Meeting

Date & Time

20:00 UTC Wednesday 30th January 2019

Teleconference Details

To join the meeting please go to https://snomed.zoom.us/j/471420169.

Further information can be found at SLPG meeting information

Goals

- Consider proposal to change language syntax from ABNF to ANTI R
- Recap ECL transitivity/role chain proposal, and consider implementation support
- Summarize 2019 work items, including:
 - Proposed new ECL language features
 - Updates to URI standard
 - o Enhancement to template language
 - Draft Query Language

Attendees

- Chair: Linda Bird
- Project Group: Daniel Karlsson, Michael Lawley, Anne Randorff Højen, Kai Kewley, Ed Cheetham, Rob Hausam, Gu illermo Reynoso, Harold Solbrig

Apologies

Agenda and Meeting Notes

Proposal to move from ABNF to ANTLR	Description	Owner	Notes
ANTLR ANTLR ANTLR ANTLR AUto-translation from ABNF to ANTLR difficult ANTLR ANTLR AUto-translation from ABNF to ANTLR difficult ANTLR difficult ANTLR is a tool for defining parsers (and dependent on versions) Proposal - Continue to use ABNF as the standard, with a hand-crafted ANTLR as the authoratative ANTLR reference implementation Alternate representations, e.g. JSON, would be useful (e.g. for templates) Actions Post authoratative ANTLR syntax used by SNOMED International Update ABNF with additional UTF characters Proposed extension to ECL to support transitive relationships and role chaining (to align with new enhanced DL axioms) Example 1 Direct relationship Calcal Syntacture Calcal Syntactur			
Reflexivity & Role chaining Bird Kai Kewley Example 1 Direct relationship (Body structure : << 774081006 Proper part of = << 51185008 Chest Transitive relationship (Body structure : << 774081006 Proper part of * = << 51185008 Chest (Chest + << (Body structure : << 774081006 Proper part of = << 51185008 Chest (Body structure : << 774081006 Proper part of = << 51185008 Chest (Body structure : << 774081006 Proper part of = << 51185008 Chest (Body structure : << 774081006 Proper part of = << 51185008 Chest (Body structure : << 774081006 Proper part of = << 51185008 Chest (Body structure : << 774081006 Proper part of = << 51185008 Chest (Body structure : << 774081006 Proper part of = << 51185008 Chest (Body structure : << 774081006 Proper part of * = << 51185008 Chest (Body structure : << 774081006 Proper part of * = << 51185008 Chest (Body structure : << 774081006 Proper part of * = << 51185008 Chest (Body structure : << 774081006 Proper part of * = << 51185008 Chest (Body structure : << 774081006 Proper part of * = << 51185008 Chest (Body structure : << 774081006 Proper part of * = << 51185008 Chest (Body structure : << 774081006 Proper part of * = << 51185008 Chest (Body structure : << 774081006 Proper part of * = << 51185008 Chest (Body structure : << 774081006 Proper part of * = << 51185008 Chest (Body structure : << 774081006 Proper part of * = << 51185008 Chest (Body structure : << 774081006 Proper part of * = << 51185008 Chest (Body structure : << 774081006 Proper part of * = << 51185008 Chest (Body structure : << 774081006 Proper part of * = << 51185008 Chest (Body structure : << 774081006 Proper part of * = << 51185008 Chest (Body structure : << 774081006 Proper part of * = << 51185008 Chest (Body structure : << 774081006 Proper part of * = << 51185008 Chest (Body structure : << 774081006 Proper part of * = << 51185008 Chest (Body	move from ABNF to		 ANTLR. Auto-translation from ABNF to ANTLR difficult ABNF grammar represents the byte representation of UTF-8 / Needs to be updated to include a range of UTF characters (not the byte representation) ABNF is a tool-independent language for defining syntaxes / ANTLR is a tool for defining parsers (and dependent on versions) Proposal - Continue to use ABNF as the standard, with a hand-crafted ANTLR as the authoratative ANTLR reference implementation Alternate representations, e.g. JSON, would be useful (e.g. for templates) Actions Post authoratative ANTLR syntax used by SNOMED International
	Reflexivity &	Bird Kai	Example 1 Direct relationship

Executing maps	Linda Bird	Proposed extension to ECL to support the execution of maps (focusing on the resolution of historical refsets) The specific use-case here comes initially from Jeremy and relates to being able to work with inactive concepts via the historical association maps. For example, given an ECL expression that identifies a set of concepts 'c' to be used for retrieving patient records, you probably also want to retrieve records for sameAs (c) and replacedWith (c) Example: (< 72704001 Fracture AND ^ 90000000000527005 SAME AS association reference set) . 9000 00000000533001 Association target component
Template Syntax	Linda Bird	New requirements • 2 slots must have the same value • 2 slots must have different values • The value of 1 slot must subsume the value of another • Default value for slots
URI Standard	Linda Bird	Finalize and publish language and language instance URIs
Query Language - Summary from previous meetings	Linda Bird	Examples: version and language

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Keywords for Term-based searching:

    D.term

       O.term = "*heart*"
      O.term = wild:"*heart*"
      O.term = regex:".*heart.*"
      O.term = match:"hear att"
       O.term = (sv) wild: "*heart*"

    D.languageCode

       ○ D.languageCode = "en"
       D.languageCode = "es"

    D.caseSignificanceId

         D.caseSignificanceId = 90000000000448009 |entire term case insensitive|
       • D.caseSignificanceId = 90000000000017005 |entire term case sensitive|

    D.caseSignificance

    D.caseSignificance = "insensitive"

    D.caseSignificance = "sensitive"
    D.caseSignificance = "initialCharInsensitive"

    D.typeld

       D.typeId = 9000000000000001 |fully specified name|
       D.typeId = 9000000000013009 |synonym|

    D.typeId = 90000000000550004 |definition|

    D.type

         D.type = "FSN"
       D.type = "fullySpecifiedName"
      D.type = "synonym"D.type = "textDefinition"

    D.acceptabilityld

    D.acceptabilityId = 90000000000549004 |acceptable|

       O.acceptabilityId = 9000000000548007 |preferred|

    D.acceptability

       D.acceptability = "acceptable"
       D.acceptability = "preferred"
Additional Syntactic Sugar
  FSN
       ○ FSN = "*heart"

    D.term = "*heart", D.type = "FSN"
    D.term = "*heart", D.typeId = 9000000000000001 |fully specified name|

      • FSN = "*heart" LANGUAGE X

    D.term = "*heart", D.type = "FSN", D.acceptability = * LANGUAGE X
    D.term = "*heart", D.typeId = 90000000000000001 |fully specified name|, acceptabilityId = * LAN

              GUAGE X
  synonym
       o synonym = "*heart"

    D.term = "*heart", D.type = "synonym"
    D.term = "*heart", D.typeld = 9000000000013009 |synonym|

       synonym = "*heart" LANGUAGE X
            D.term = "*heart", D.type = "synonym", D.acceptability = * LANGUAGE X
              D.term = "*heart", D.typeId = 90000000000013009 |synonym|, (D.acceptabilityId =
              9000000000549004 |acceptable| OR D.acceptabilityId = 9000000000548007 |preferred|) LAN
              GUAGE X

    synonymOrFSN

       synonymOrFSN = "*heart"
            synonym = "*heart" OR FSN = "*heart"
            D.term = "*heart", (D.type = "synonym" OR D.type = "fullySpecifiedName")
       synonymOrFSN = "*heart" LANGUAGE X
            synonym = "*heart" OR FSN = "*heart" LANGUAGE X

D.term = "*heart", (D.type = "synonym" OR D.type = "fullySpecifiedName"), D.acceptability = * LAN
              GUAGE X

    textDefinition

    textDefinition = "*heart"
    D.term = "*heart", D.type = "definition"

            D.term = "*heart", D.typeId = 9000000000550004 |definition|
      textDefinition = "*heart" LANGUAGE X
            ■ D.term = "*heart", D.type = "definition", D.acceptability = * LANGUAGE X
            D.term = "*heart", D.typeId = 900000000000550004 |definition|, D.acceptabilityId = * LANGUAGE

    Unacceptable Terms

       ○ (D.term = "*heart") MINUS (D.term = "*heart", D.acceptability = * LANGUAGE X)
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		Language preferences using multiple language reference sets • LRSs that use the same Language tend to use 'Addition' - i.e. child LRS only includes additional
		acceptable terms, but can override the preferred term E.g. Regional LRS that adds local dialect to a National LRS E.g. Specialty-specific LRS E.g. Irish LRS that adds local preferences to the en-GB LRS
		 99999900 Irish language reference set PLUS GB English reference set LRSs that define a translation to a different language tend to use 'Replacement' - i.e. child LRS replaces set of acceptable and preferred terms for any associated concept
		 E.g. Danish LRS that does a partial translation of the International Release 999999 Danish language reference set ELSE GB English reference set
Other topics	Linda Bird	Any other topics?
Confirm next meeting date /time	Linda Bird	The next SLPG meeting will be held in 2 weeks at 20:00 UTC on Wednesday 6th February.

File Modified

No files shared here yet.