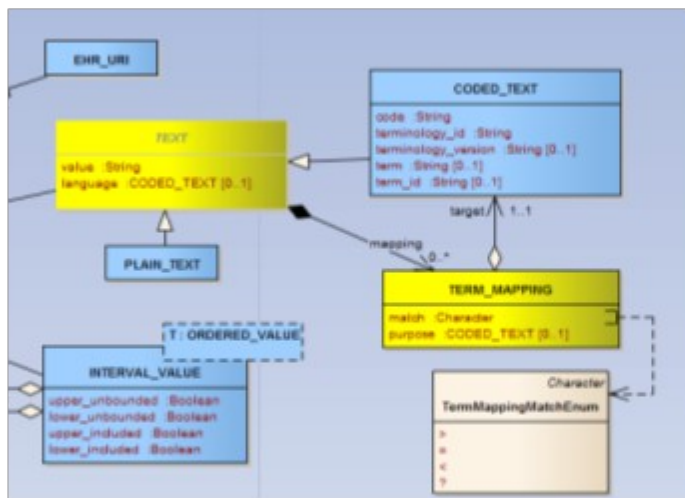


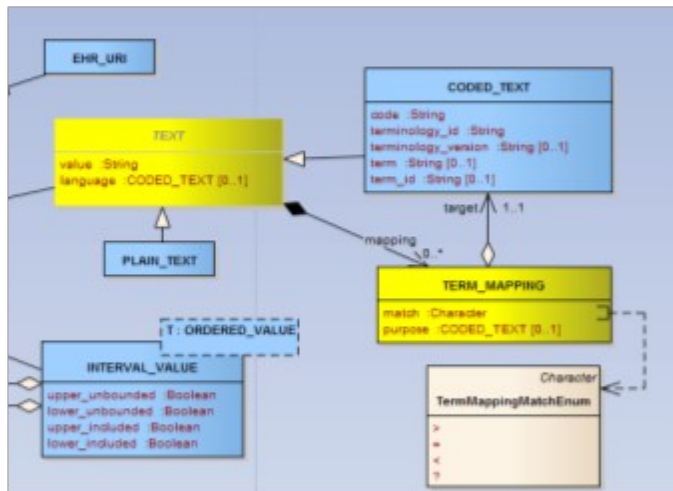
[slide-1] - Starting Point

Starting Point



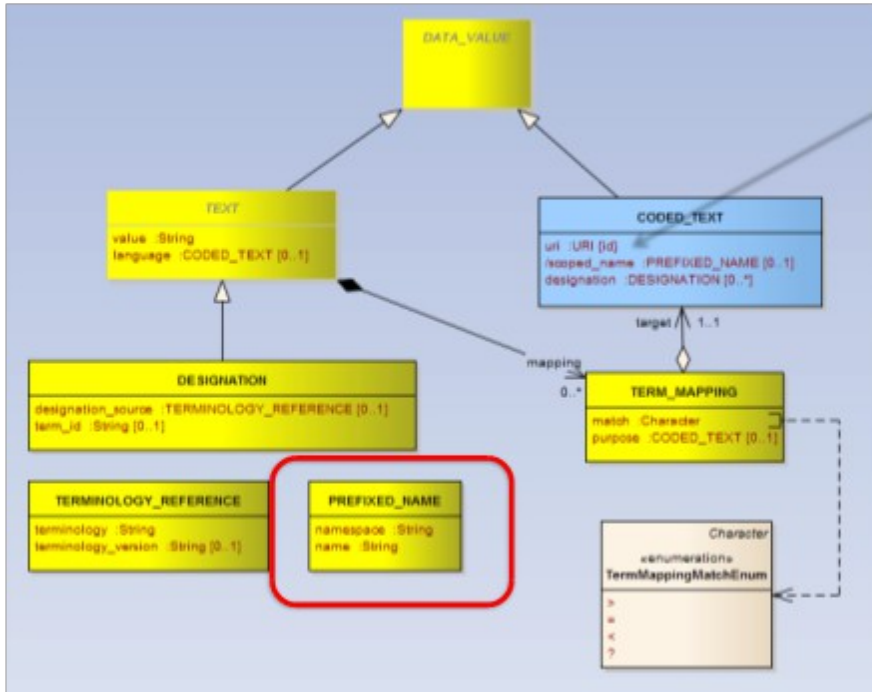
[slide-2] - Code

Code



“The key used by the terminology service to identify a concept or coordination of concepts. This string is most likely parsable inside the terminology service, but nothing can be assumed about its syntax outside that context.”

Code - Proposal



URI – uniquely identifies the code

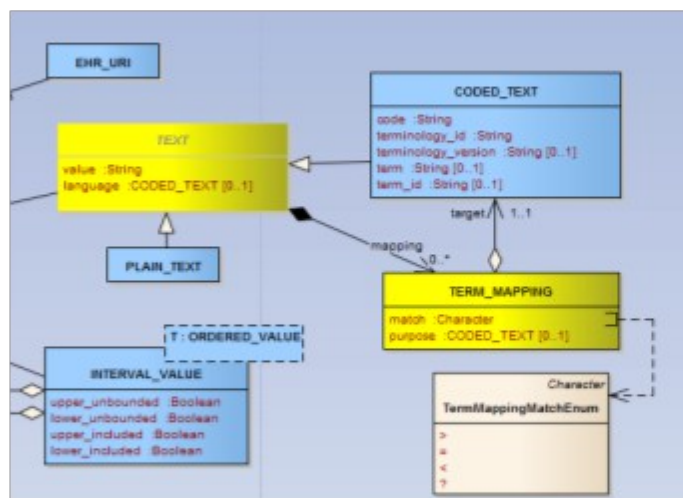
Namespace/name – local identifier
Example:
sctid:74400008

Note: derived

Note: could be derived via .ts
“sctfsn:appendicitis(finding)”

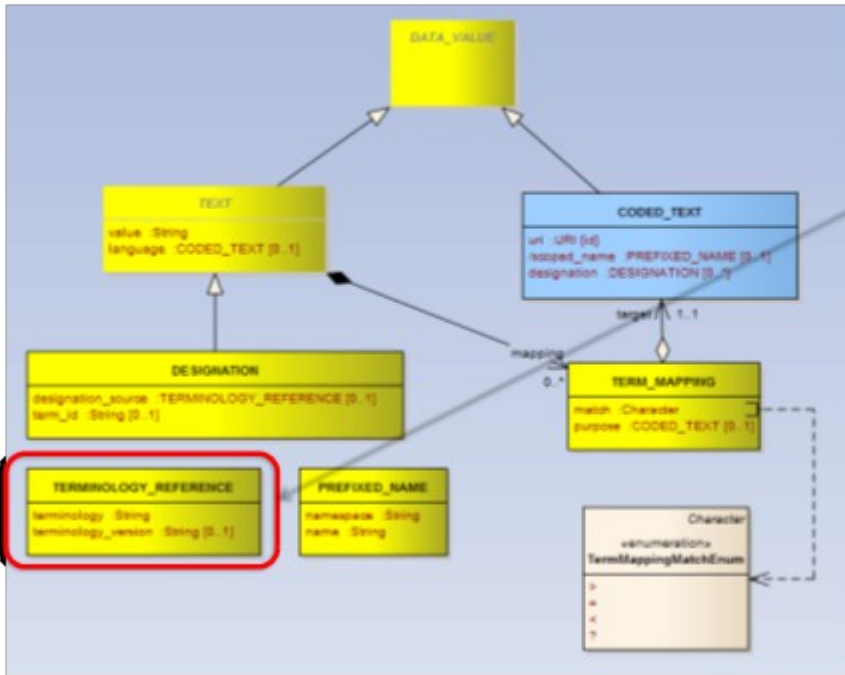
[slide-4] Terminology and Version

Terminology and Version



“The terminology from which the codes in the `code_string` were extracted. An identifier for a terminology system, such as accessed via a terminology query service. In this class, the value attribute identifies the Terminology in the terminology service, e.g. SNOMED-CT. A terminology is assumed to be in a particular language, which must be explicitly specified.
Lexical form: `name [('version ')]`”

Terminology and Version - Proposal



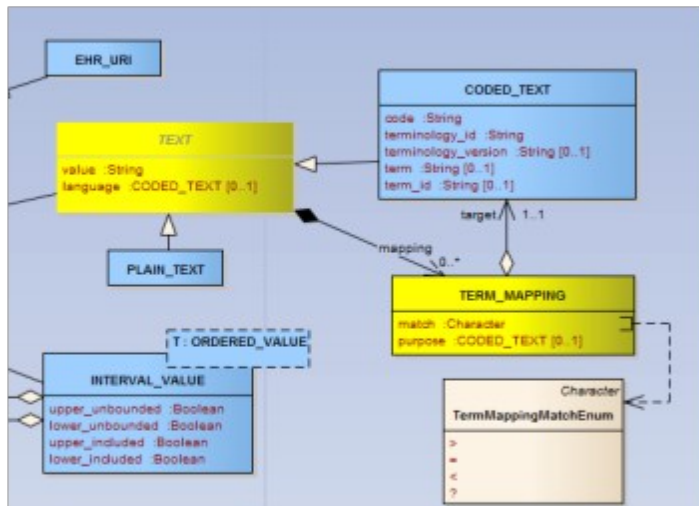
Terminology Reference – terminology id + optional version

Note: Need a service specific (or global) map from id to terminology URI

Example:
SNOMED-CT_US
20130431

[slide-6] - Term

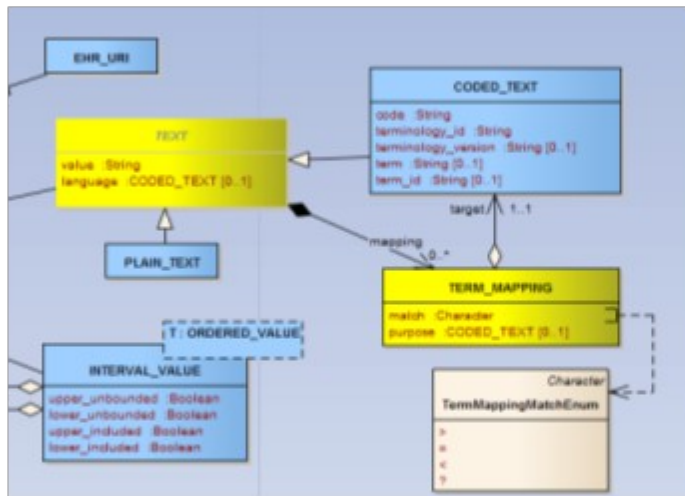
Term



The string of characters associated with the code_string from the given terminology. This only needs to be provided if it is different from TEXT.value.

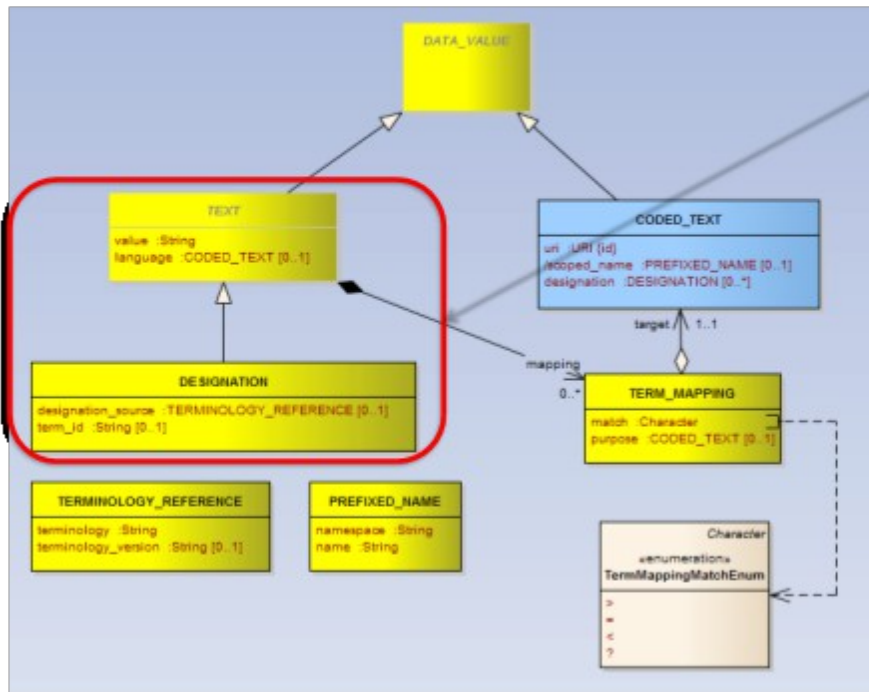
[slide-7] - Term Id

Term Id



The unique identifier of the term associated with the code_string from the given terminology. In SNOMED CT this is used to record the Description Id of the Term.

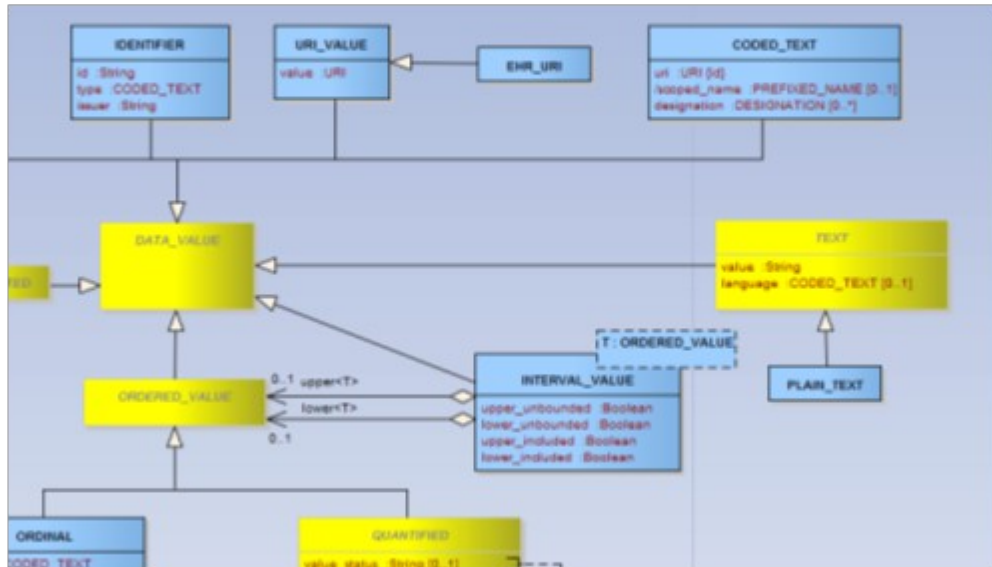
Term and Term Id- Proposal



All designations are equal. Each designation has a language, an optional source and an optional term_id.

[slide-9] Final Diagram

Final Diagram



Issues

1. Do we need code expressions now or can we postpone?
2. **PIM vs. PSM – PREFIXED_NAME, TERMINOLOGY_REFERENCE, DESIGNATION**
 - (arguably) adds clarity to model (namespace and name or nothing, etc.) but mapping to XML is less than optimal.
3. Do we need a separate **TERMINOLOGY_REFERENCE** for URI? (e.g. sctid:74400008 as described in SNOMED_CT_INTL 20130131)
4. **Language, purpose, etc. – we may want to simplify...**
(do we really need all the attributes? Can we fix everything except the URI and name?)

Full Example

```
<purpose uri="http://snomed.info/id/247757004">  
  <namespace>sctid</namespace>  
  <name>247757004</name>  
  <designation term_id="369920018" terminology="SCT_INTL"  
terminology_version="20130131">  
    <value>Purposeless</value>  
  </designation>  
</purpose>
```

Typical Example

```
<purpose uri="http://snomed.info/id/247757004">  
  <namespace>sctid</namespace>  
  <name>247757004</name>  
  <designation>  
    <value>Purposeless</value>  
  </designation>  
</purpose>
```

[slide - 13] - Minimal Example

Minimal Example

```
<purpose uri="http://snomed.info/id/247757004" />
```