Template Editor

1 MO Template Editor

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Medical-Objects has released a free EN/ISO 13606-2 Archetype editor with Template extensions. It is available from Free Version of Template Editor.

Using Medical-Objects Template Editor

Simple worked example

Using preview

Terminology binding and constraint

Show the ADL, XML and HL7 for a LOINC panel archetype

Adding GELLO

Registry server access

More datatypes

Combining archetypes into Templates

An example screen shot of the MO Template Editor at work is below. Some information about archetypes and MO's use of GELLO in them are below the image.

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File Archetypes					
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E+ CEN-Crohn	DiseaseActivityIndex.v1		ADLMatchType	mtOrdinalChoice	
🖶 🗆 Descrip	tion		AssumedValue		
- Uses 0	árchetmeis)		CollapsedAtStart	False	
E- Definition			HasDateField	False	
EN			HasReferenceRange	False	
	FLEMENT - Sex		isCalculated	(No Gello)	
			isValid	(No Gello)	
ELEMENT – Number of liquid or very soft stools in one week			is/inble	(No Gello)	
ELEMENT – Sum of 7 days abdo pain scores (0.3)			Level01Detail	0	
ELEMENT – Sum 7 days well being (0 = good to 4 = terrible)			LocalCode	al0016	
ELUSTER - Presence of complications			MachineCode		
😐 🗆	ELEMENT - Taking lomotil or opiates for diant	OccurrencesHigh	1		
ELEMENT – Abdominal mass?			OccurrencesLow	0	
ELEMENT – Take haematocrit away from 47 if male			On/CalcReferenceRange	(No Gello)	
ELEMENT – Take haematocrit away from 42 if female			OnInitialize	(No Gello)	
⊕ · · · CLUSTER - Weight indices ⊕ · □ ELEMENT - CDAI score -> ⊕ · □ ELEMENT - CDAI score -> ⊕ · □ CLUSTER - Scores for template ⊕ · □ Chrology			OpenEHRName		
			ReferenceBange		
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			Tem	Abdominal mass?	
			V3ButboundRelationShip		
- Diesen/	ation		VisibleAtStart	True	
Ontology					
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at0006 en	Sum of seven daily ratings of general well be		all bained graded () = wall to A = targible and		Flue
al0007 en	Sum of seven daily ratings of general well be				
40008 en	Presence of complications	Presence of complications	ce pre 6 (% conce o - viel (o e = leitore eac		
at0000 en	arthrifis or joint pain	arthritis or joint pain			
at0000 en	infic or uveillo	infis or uveits			
al0011 en	ersthema nodosum, pvoderma gangrenosum		osum or mouth vicers		
at0012 en	anal fissure. Tistula or abscesses	anal fissure, fistula or abscesses			
at0013 en	other bowel related fistula	other bowel-related fistula			
at0014 en	fever over 38 degrees in the past week	fever over 38 degrees in the past week			
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Archetypes provide constraints on an underlying reference information model. There are ongoing efforts within HL7 to provide reusable 'chunks' of the RIM that are at a level that makes them useful for interpretation and re-use. But progress is slow. An alternative approach has been taken thus far in Europe and elsewhere with the progression of the CEN/ISO 13606 standard, principally Part 2 which describes the form of data extracts, structured with archetypes. Archetypes were described originally by the openEHR community and the EN 13606 standard is slightly less complicated but follows a similar form. It is a stable format however, while the openEHR ADL version is under constant review and change.

The Medical Objects template editor saves and loads ADL according to the 13606-2 standard (ADL v1.2) and it can export in a xml format that supports extended semantics (the template functionality), including GELLO event handling. We use the HL7/ANSI standard GELLO v. 1 as a 'scripting' language for node value validation, initialisation, calculation and visibility. Constructs are also tagged and editable for HL7 v. 2 message generation. Datatypes are mapped accordingly. Example data can be created in HL7v2 format using the Australian Archetypes in V2 draft standard approach. A working GELLO interpreter/IDE is included in the editor.

Further information on the standard is available at http://www.en13606.org/