Init1dbw9 - Application Developers Summary Use Cases

Initial Analysis:

Item	Information/Response
Date:	01/08/2010
Requirement # unique id <*SemConOps Initiative*>.<*analysts initials*><*requirement number*> e.g. Init1dbw1 (eventually linked to Use Cases)	Init1dbw9
Originator/Customer's Name:	Baris Suzek
Originator/Customer's Company:	
Summary of requirement initial analysis, by Reviewer: (as unambiguously as possible, describe who (List of Actors) is interacting with the system, what the business goal is and how the system might support the actor's ability to acheive their goal)	--> In general to cut the time in model load process: - Centralizing/harmonizing tools to access metadata (Currently there is quite a lot of tools with very related functions) - Streamlining model load and/or metadata curation for developers so that they can do it themselves (not necessarily a production level load) -Empower Developers to load their own model in a staging area and decide when they are Ready to move it to production • Streamline annotation of the model process: • Allow users to point to various vocabularies (not only NCI-T) • Allow users to create their own concepts and allow immediate consumption (not necessarily a production level creation; it can be staged) Allow new concepts to be sketched to meet an immediate need so user can Annotate his model - its available through another vocabulary - should let him annotate the model Without assigning the concept code (just need a description) - the loader would identify the new concept and Semi-automatically create the concept and attach to the model that suggested it. Allows the terminologists to see the use of the concept in context and either replace it or create a unique identifier for the new concept. In general to improve metadata reuse (model/data element/function) • Allow users to compare their models with other models (Tejas) • Provide users "already annotated" standard models for direct use (ensure DE-centric standards are modelable) - Develop tool(s) to conduct effective (e.g. sorting based on level of reuse, relation to DAM CDE/DEs/Object classes), powerful (e.g. free text, hierarchical (using annotations)) metadata searches (metrics that define "best") • Develop tools to export formats consumable by model authoring tools • Allow developers to discover and cherry pick the parts/portions from different models (or CDE based) to incorporate to their models • Could be a business model, not just the information model • Provide direct access to metadata repository from model authoring tools • Ensure consistency among different representations of metadata (DE, model, XSD etc) • Train developers for the new tools; develop scenario-based training modules (e.g. how a LS/CTMS modeler can create a model conformant) - Test conformance of messages to standard message schemas(e.g. HL7 v2) - Allow developers to provide metadata around functions/methods /interfaces In general to support fast/easy development: - Provide ISO 21090 libraries for different languages - Provide SDKs for development, supporting - ISO datatypes - ORM - API (messaging or object based) generation for different languages - Provide specification templates (Business/Information/Computational/Engineering VPs) for ECCF viewpoints (The templates can accommodate extraction of computable specifications from business artifacts) - Provide a library of conformance profiles and search capability along with so that people can "reuse" in their specifications and/or write conformance statements accordingly In general to support "computable" interoperability - Support computable "collaboration specifications" that can be realized as transformation services/methods as needed - Support automatic generation of transformation services (this will require conformance to std. messages HL7v2/3)
Recommended Next Step)Enter one: Follow-up interview, Observe, Use Case Template (text), Use Case Model (formalized/UML diagram), Group Discussion, Prototype, Waiting Room	---