Init1pm1 - ICR IRWG Requirements

Pre Interview:

Item	Information/Response
Date:	12/16/2009
Requirement # unique id <semcon initiative="" ops="">.<analysts initials=""><requirement number=""> e.g. Init1dbw1 (eventually linked to Use Cases)</requirement></analysts></semcon>	Init1pm1
Originator/Customer's Name:	Bob Freimuth: forum posting
Originator/Customer's Company:	Mayo Clinic, ICR Interoperability Working Group
Originator/Customer's Company: Stakeholder Community: Enter appropriate category of stakeholder from Primary Stakeholders: Software and Application designers and architects Software and Application engineers and developers Scientific and medical researchers Medical research protocol designers Clinical and scientific research data and metadata managers Clinical search study participants Medical research study participants Broader Stakeholders: caBIG® Community WS NIH projects and related commercial COTS vendors (caEHR, SDO's (HL7, CDISC); International Collaborators (e.g NCRI, cancerGrid, China), Government and regulatory bodies (FDA, CDC, ONC) (link to view SemConOps Stakeholders description). Summary of requirement pre-interview, by Reviewer:	Software and Application designers and architects Broader Stakeholders (caBIG Community) The ICR Interoperability working group has summarized a set of tooling/development requirements that they believe will help developers meet their interoperability development goals. This set of requirements can (and should) be represented by a variety of use cases. It is also likely that these requirements significantly overlap many of the other requirements that are being gathered by other stakeholders. The following is a bufleted list summary of their requirements. Please refer back to the original post by Bob for a full list when modeling. • Metadata integration (the primary actor is the Information Technologist) • There should be a single place (API and web interface) to be able to browse and cross-link between metadata items that are associated with information models, including UML, CDEs, Concepts, and XML Schema • There should be traceability between the various metadata tems such that any user can easily navigate between them in the API and metadata web interfaces, including the versions of the metadata lems and the services of the metadata repository on the metadata repository will be remarked to the services of the metadata repository on the metadata repository will provide linkages between systems that support the same or similar CDEs, aka "touchpoints" between sexposing what models through the metadata repository web interface (and possibly APIs). • Metadata are postory will provide linkages between systems that support the same or similar CDEs, aka "touchpoints" between systems. • A system should be able to find semantically similar CDEs that might be useful for ioning in a scientific way (use case. Find all malignant breast concert turnors, eternal all stoses that have site "breast" or suchings rise a subtype of "breast") • The modeling tool or metadata respository web interface should be able to automatically generate all of the metadata-oriented artifacts need be produced to perform a review
Recommended Next Step Enter one: Follow-up interview, Observe, Use Case Template (text), Use Case Model (formalized //UML diagram), Group Discussion, Prototype, Waiting Room	microarry experiments performed on the biospecimen and check for availability of additional biospecimens for further analysis) o Identify a service as a translation service between data types Semantic descriptions of workflows will be needed in order to "share" workflows 1. Use Case Template 2. Review by Originators 3. Followup interview (if needed) 4. Repeat 5. Use Case Model