**Requirements:**

* **June**
  + System shall allow a user to [add, delete or update] a record through the web interface. [UDFR-SYS-29]
  + System shall capture use-id and timestamp for [add, delete or update] to be added to the audit trail/provenance record for each assertion. [UDFR-SYS-30]
  + The System shall populate associations between Entities if pre-defined at the class level. *Inference. E.g. pre-population of TIFF.*[UDFR-SYS-38]
  + VALIDATION:
    - If a System error has occurred, the web interface shall roll back all data insertion to the registry. *A compound transaction.*[UDFR-SYS-39]
    - The System shall validate all data attributes/properties [UDFR-SYS-42]
    - If an error occurs during attribute validation, the web interface should provide explicit hints for the editor to fix the data entry [UDFR-SYS-44] The web interface shall populate the choices for some relations from controlled vocabularies (For example, when the editor associates software, say Acrobat Reader, to a format record (ex. PDF 1.6), the web interface should display existing software for users to choose from [UDFR-SYS-46] *End of June/ early July.*
  + AUTH: System shall authenticate users. Currently there is only one role – that of editor (someone who can edit the registry). *No anonymous contribution. Can read anonymously. Also, make Admin Role. Mid-June.*
  + On creation of a new user, the system shall capture user name and relevant institutional affiliations and contact information (minimally, e-mail address) to be added to the registry to augment provenance information.
  + Usability: The input process should be easy [UDFR-SYS-48] *Non-functional requirement.* The interface should be self-explanatory and intuitive with hints/helps provided for some fields for additional assistance in data entry [UDFR-SYS-51]
  + AUDIT TRAIL: All representation information will be tagged with provenance information sufficient to provide a complete audit trail of changes over time. [UDFR-SYS-26]
  + The system shall support editorial oversight through explicit provenance and tags (at assertion level) of having been reviewed by a particular agent [UDFR-SYS-33] (*To be provided at individual assertion level – as additional fields in MySql. Tags include a mark for replication and review.)*
  + MySQL Mapping
  + The system shall provide public read-access to the registry information (through SPARQL endpoint and UI) [UDFR-SYS-31]
* **July**
  + All controlled vocabularies should be presented directly on the web interface [UDFR-SYS-52]
  + Allow Controlled vocabularies to be edited at the Admin interface.
  + The System shall provide verification of a successful assertion insertion into the registry along with the identifier of the subject of the assertion (if one exists) [UDFR-SYS-43] *Creation of identifier. Late July. EZID.*
  + Browse Audit Trail
* **August**
  + Interface shall present all required and optional fields in their proper format [UDFR-SYS-50]
  + Store Sample files for each format created by different applications (e.g. a PDF produced by Adobe PDF Library 4.8) [UDFR-SYS-40] – *(Where is the source for these files?)Aug/Sept.*
* **September**
  + The system shall provide a mechanism for the distribution of the registry data to the local instances [UDFR-SYS-49]
* **October**
* **November – FINAL CODE FREEZE**
  + Support preservation service software- via records export
  + Export records to repository software*-minimally, dump everything (n-triples and MySQL)*
  + Export format information for a format identification tool- DROID*(XML Schema. Could do a SPARQL query to retrieve relevant signature information and write a perl/python regex-type script to transform.*
* **December**
  + Final Documentation