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| Use Case ID | addNewRecord(1) |
| Description | Add a new record to the registry via a web interface |
| Actors | Registry Editor, Registry System |
| Assumptions | 1. The editor has discovered the registry system’s web interface
2. The editor is accessing the registry through a web browser that supports the technology used by the registry’s web interface
3. The editor is authorized to execute this use case
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| Pre-conditions | 1. The editor is authenticated and is allowed to execute this feature.
2. The web interface should present all required and optional fields in their proper format. The interface should be self-explanatory and intuitive with hints/helps provided for some fields for additional assistance in data entry.
3. The web interface should populate related data from existing records in the registry. 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. There would also be a mechanism to add new related data records to the registry.
4. All controlled vocabularies (ex. Format relationships, etc) should be presented directly on the web interface. The editor should not need to look up additional documents to enter controlled vocabularies. No deep knowledge of the registry data model should be required.
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| Primary functional path | 1. On the registry web interface, the editor fills in all mandatory data attributes, and optionally, non-mandatory data attributes, according to the record requirements.
2. The editor submits the record to the registry.
3. The system validates all data attributes, assigns a unique and persistent identifier for the new record and adds the record to the registry.
4. If the record is associated with other data records, for example a format record may be associated with certain software, the system adds the associations into the registry
5. The system adds administrative information to the registry used in the record’s audit trail (invoke AmendAuditTrail use case).
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| Primary result | The system provides verification of successful record insertion to the registry along with the identifier(s) associated with the record. If an error occurs during attribute validation, the web interface should provide explicit hints for the editor to fix the data entry. |
| Post-conditions | 1. The record is added to the registry with a unique and persistent identifier to the record.
2. Attributes are indexed.
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| Exceptional path | If a system error has occurred, the web interface should roll back all data insertion to the registry. |
| Issues | 1. User authorization and the management of the registry’s persistent identifiers are currently pending the decisions of the UDFR Governance Working Group.
2. This use case currently does not provide a mechanism for detecting duplicate records. For example, if a record for PDF 1.6 already exists in the registry, the web interface would not be able to properly detect the duplication when a user adds a new record. We may want to consider a number of attribute validation rules to attempt to detect the duplication and prompt users on possible duplication during data entry. However, it is ultimately the Registry Editor’s responsibility to ensure unique format records in the registry.
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