**Purpose:**

DCA seeks an independent contractor familiar with ArchivesSpace to create a plug-in to auto-generate component unique identifiers at the archival object level. Accession ids, resource ids, and digital objects ids are considered beyond the scope of this project.

**Background:**

Tufts DCA currently uses a rather unwieldy and cumbersome process to create component unique identifiers as a legacy of a previous content management system. Numbers are assigned as follows: Collection Number **+** Series Number **+** Sub-series Number **+** Box Number **+** Folder Number **+** Item Number (as applicable). Although we have considered using the ASpace auto-generated RefIds, they are awkward for our digitization purposes and we would like to maintain some data elements that are readily parsed by humans, such as the collection number. We wish to avoid a system that is brittle (and therefore inaccurate if an archival object is moved within a collection), prone to human error, and time intensive.

**Scope:**

Create a plug-in that will automatically create a CUID for an archival object when a new archival object is saved. Tufts would like to take the Collection identifier and append a six-digit auto-generated sequential number as the component unique identifier, but other institutions may wish to use something else as the first part of the identifier. This should be customizable to a certain degree by institution, so that each institution can choose what goes in front of a six-digit auto-generated sequential number.

CUIDs should be generated both when archival objects are created manually in ASpace and when objects are created via import, either csv or EAD. The plug-in should enforce uniqueness of CUIDS and provide a log of CUIDs created (similar to the log provided on import both by the Harvard csv importer and the background job to import EAD). The CUID field should remain editable. Any deleted archival objects would have their CUIDs tombstoned, and those CUIDs would not be re-used.

**Requirements:**

Tufts DCA will provide a copy of its ArchivesSpace database to the consultant for testing purposes, if desired. The consultant will provide, to the Tufts DCA Github repository, the code and documentation of the plug-in. The consultant will provide the plug-in for quality control and testing purposes and DCA will provide feedback throughout the process. The work will be made available to the ArchivesSpace community as a plug-in.

**Timeline:**

Project should begin in February 2019 and be completed by July 1, 2019.

**Submission of proposals:**

If you are interested in bidding on this project, please provide the following by January 31, 2019:

* Plan of work to achieve the scoped project
* Cost estimate
* References (preferably from similar work)
* Links to a Github repository or other portfolio

Please send proposals to:

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