



# User Stories for AggieSTEM Library Manager Model

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# Library Creation

**As an...** AggieSTEM administrator or User participating in AggieSTEM with access to the AggieSTEM website,

**I need...** The ability to create a new library of content (e.g., a Machine Learning Library with “MNIST.dat”, “CIFAR-10.dat”, “CIFAR-100.dat” documents relating to datasets)

**So that I can...** Better organize critical documents for users and groups.



# Adding Content to a Library

**As a...** Library Owner, AggieSTEM administrator, or User with appropriate access credentials,

**I need...** The ability to add content to a given Library (e.g., media, pdfs, records)

**So that I can...** Associate the data with the Library to better organize the system and make it available to members with access to the Library.



# Content Deletion

**As a...** Library Owner, AggieSTEM administrator, or User with appropriate access credentials,

**I need...** The ability to “delete” files (e.g., set a boolean flag for DELETED rather than wiping from disk) and prevent them from appearing on the website while maintaining a record of all previous data to avoid database fragmentation

**So that I can...** improve query time and system longevity in the long run, while maintaining a historical archive of all data uploaded to the system.



# Library Deletion

As a... Library Owner, AggieSTEM administrator, or User with appropriate access credentials,

**I need...** The ability to “delete” libraries (e.g., set a boolean flag for DELETED rather than wiping from disk) and prevent them from appearing on the website while maintaining a record of all previous data to avoid database fragmentation

**So that I can...** improve query time and system longevity in the long run, while maintaining a historical archive of all data uploaded to the system. **Additionally, library files are predominantly links to data on disk, and require minimal space.**



# Retrieving Libraries from the Server

**As a...** Library Owner, AggieSTEM administrator, or User with appropriate access credentials,

**I need...** The ability to query the database with a list of Library ID's all at once (or, even a list containing a single Library ID) and pass the retrieved Library files onto the “front end” of the website

**So that I can...** Expeditiously enumerate available libraries for the users of the website (e.g., rather than querying for libraries one-by-one each page load when searching through them, which would be slow).



# Retrieving Content from the Server

**As a...** Library Owner, AggieSTEM administrator, or User with appropriate access credentials,

**I need...** The ability to query the database with a list of Content ID's all at once (or, even a list containing a single Content ID) and pass the retrieved Content files onto the “front end” of the website

**So that I can...** Expeditiously enumerate available content within the given Library for the users of the website (e.g., rather than querying for content files one-by-one each page load when searching through them, which would be slow).