**Use Cases for the LOAFR System:**

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**Use-Case #1:** Upload data

**Summary (What is this use-case for?):** To add a file for future use

**Why do we need it?:** Adding files allow for storage of information for the user

**Actors:** System Engineer

**Course of Events:**

* Actor is able to upload data of type of TBD 411-1 (Exception 1)
* System converts it into the type of TBD 411-2 (Exception 2)
* Store the data user and server side (Exception 3)

**Exception Paths:**

* Exception 1: Raise Save/Load file error
* Exception 2: Raise Conversion error
* Exception 3: Raise Save/Load file error

**Related Use-Cases:**

**Date:** 2/27/22

**Use-Case #2:** Get standardized data

**Summary (What is this use-case for?):** To get / analyze some data that has been processed

**Why do we need it?**: Actors can retrieve previous data for examination, reference, or further processing.

**Actors:** System Engineer, manager

**Course of Events:**

* Actor selectes and exports a number of stored data logs

**Exception Paths:** None

**Related Use-Cases:** Use-Case #5

**Date:** 2/27/22

**Use-Case #3:** Batch processing

**Summary (What is this use-case for?):** To analyze a set of files all at once

**Why do we need it?**

**Actors:** System Engineer, Scripts Using Command Line Interface

**Course of Events:**

* Actor is able to select a subset of files and run tests on them (Exception 1)
* Tests are predefined by the actor

**Exception Paths:**

* Exception 1: Raise Save/Load error

**Related Use-Cases:** Use Case #4

**Date:** 2/27/22

**Use-Case #4:** Find Subset of Files

**Summary (What is this use-case for?):** To find files with a particular filtering attribute

**Why do we need it?:** Allows for people to filter by type

**Actors:** System Engineer

**Course of Events:**

* Actor is able to filter data of type of TBD 411-2 (Exception 1)
* With blank search, the filter applies to all files (Exception 2)
* Store the search information user- and server- side (Exception 3)

**Exception Paths:**

* Exception 1: Raise “no matching files”/”invalid filter type” error
* Exception 2: Raise “no matching files”/”invalid filter type” error
* Exception 3: Raise save/load error

**Related Use-Cases:** Use Case #3, #5

**Date:** 2/27/22

**Use-Case #5:** Manual Examination

**Summary:** Person wants to manually examine a set of files

**Actors:** System Engineer

**Course of Events:**

* Actor uses the search/sort/filter (Exception 1)
* The program returns the list of data the fits the criteria (Exception 2)
* User then uses the UI to examine the data returned.

**Exception Paths:**

* Exception 1: Invalid Search Criteria.
* Exception 2: Raise Save/Load error

**Related Use-Cases:** Use Case #3, #4

**Date:** 02/27/22