User Acceptance Test Scenarios for documented requirements (overall system of what is acceptable)

Login/Logout
- Users who have proper login credentials should be able to access the A.W.S. and perform certain tasks depending on their access rights.

Uploading/Downloading
- Ensure that Computation Social Scientists, Citizens, and Social Scientists can upload, edit and delete metadata.
- Make sure the System Administrator can upload, edit, and delete any file type.
- Make sure that Computation Social Scientists, Citizens, and Social Scientists and the System Administrator can download any file type.

Searching
- All users must be able to search and filter through specified file types within the library/database.

Unit Test Scenarios

Being able to login
- Verify user credentials prior to logging in

Being able to log out
- Log user out if they're inactive for a certain amount of time to avoid the database and/or A.W.S. from crashing

Being able to upload a file
- Check to see if user uploaded the correct file type
- Check to see if user uploaded the file correctly, (as far exceeding max limit).

Being able to *insert* into DB
- Make sure there aren't any syntax errors to ensure proper insertion of data (fill out all required fields, don't leave anything blank).
- Make sure constraints aren't violated to ensure proper insertion.
- Make sure the System Administrator verifies the new data being inserted.
- Make sure the data is inserted successfully.

Being able to *update* the DB
- Make sure specified users (depending on access rights) are updating correct data type.
- Make sure old data is deleted and updated with new data.

Being able to *delete* from the DB
- Make sure to specify WHERE records are deleted from.
- Was the record properly deleted from the table within the database?

Regression Testing
- Test database by inputting dummy data and verifying that it works.
    - Test front end before we connect it to the AWS.
    - Update code, data in MongoDB, comments, and files and verify that it works.

- All Regression testing will be done on a local server before we host it onto the A.W.S.

Integration Testing

- Group members should present their code or any contribution that was made towards the project since the last time we've tested.
- The project manager should verify that everything checks out, and is ready for integration.
- The project manager will then merge the project and begin testing.
- This process must happen on a weekly basis (in order to complete each sprint in time).

Verification tests (Can you…...Login, Data Upload, Data Edits, posted to document)

User Login/Logout
- User must register for a login ID and password
- Once registration is complete; user must try logging into the database
- User will either get to proceed and view the database or get a popup message

Data Upload
- The file should be the correct data type or it will not be uploaded
- The file shouldn't exceed 250MB or it will not be uploaded, the users will get an error and will be prompted to upload again.

Validation tests (Login)

Access Levels
- Computation Social Scientists, Citizens and Social Scientists will have clearance to view, upload, and download files from the A.W.S. They can also insert, update, and delete from the database. -- *Access Level 1*
- The System Administrator will be granted with *Level 2 access rights.* These guys have privileges to do whatever they want; everything from viewing files, uploading files and downloading files to inserting, updating, and deleting from the database. They will also be in charge of managing user accounts as far as granting access rights and deleting users if need be. The System Administrator can also edit or delete anything within the User Interface and must verify everything that the Computation Social Scientists upload and change within the database.