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

    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 metadata.**
- **Make sure the System Administrator can upload any file type.**
- **Make sure that Computation Social Scientists, Citizens, and Social Scientists and the System Administrator can download any file type.**

    Editing
- **Ensure that Computation Social Scientists, Citizens, and Social Scientists can edit and update metadata.**
- **Make sure the System Administrator can edit and update any file type.**

Unit Test Scenarios

    Being able to login
- **User provides the correct username and password and is redirected to the home page.**
- **User provides the correct username but incorrect password and is redirected to the login page.**
- **User provides correct password but incorrect username and is redirected to the login page.**
- **User provides incorrect username and password and is redirected to the login page.**
- **User provides a username that is nonexistent and is redirected to the login page.**

    Being able to log out
- **Log user out if they're inactive for 10 minutes to avoid the database and/or A.W.S. from crashing or being modified by an unauthorized user.**
- **If user logs out, they cannot redirect back to the previous page or back into the website.**

    Being able to upload a file
- **User uploads a file successfully.**
- **User tries to upload a word document, but the system denies it since it only accepts Json file types.**
- **User tries to upload a 300MB Json file, but it exceeds the maximum file size, therefore the system denies the user's request.**
- **User tries to upload an empty file, but the system doesn't accept it since it doesn't contain any content.**
- **User uploads a file with the same name, the system denies it to avoid overwriting.**

- User uploads a file with the same name, the system creates a copy of the same file to avoid overwriting.

  Being able to download a file
  - User successfully downloads a file.
  - User tries to download a file but does not do so successfully.

  Managing the Database
  - User inserts data into a table in the database with all of the correct fields correctly and successfully.
  - User inserts data into a table in the database but didn't spell one of the fields (columns) correctly, therefore the database rejects the request.
  - User updates data in a table in the database but didn't spell one of the fields (columns) correctly, therefore the database rejects the request.
  - User deletes data from a table in the database but didn't spell one of the fields (columns) correctly, therefore the database rejects the request.
  - User deletes data from a table in the database but doesn't specify where it's getting deleted from, therefore the database rejects the request.
  - User updates the database but the Administrator didn't approve, therefore the database rejects the request.

REGRESSION TESTING
- Select the tests for regression.
- Group members should present their code or any contribution they made towards the project since the last time we tested.
- The project manager will then run through all the unit testing, and integration to ensure that the new update/bug fix didn't mess up the most current stable build.
- The project manager should verify that the new update didn't break the old, stable build and begin to merge and update.
- This process must happen on a weekly basis in order to complete each sprint in time.
- Putting everything together; we must perform regression testing on a weekly basis or prior to turning in each sprint to ensure the entire system and software works properly. Anything that gets changed/updated in our system should be tested. Integration testing will be applied if we're updated multiple sections of our system.

Verification tests - Does it meet the specs?
- Unit testing
- Regression testing

Validation tests (Login) - did i build the right thing?
- User Acceptance testing (user req. What should it do?)

Integration Testing
- We won't be doing any integration testing until sprint 4 since our view is limited.