CMSAMS Test Cases

Introduction and Means

Since the CMSAMS tool implements relatively few use cases and has a limited scope, the team has decided to manually test the applications features through the front end like any user would. Some endpoints, however, required logging values to the console to verify correctness. We believe that through this testing, we can validate that the application may be handed over with as few bugs as possible.

Login

- Verify that a user with a valid username and password may login.
- Verify that a user with invalid credentials may not login.
- Verify that a logged-out user sees a "Login" option in the navigation bar.
- Verify that a logged-in user sees a "Logout" option in the navigation bar.
- Verify that the Logout button terminates the user session.
- Verify that a logged-in user has the correct role-based access.

Asset Mobility

- Verify that users may only move assets for which they are authorized.
- Verify that the modify modal defaults to the opposite status.
- Verify that notes associated with an asset are up-to-date.
- Verify that modifying an asset will update the corresponding row in the table.

Table Functionality

- Verify that the table's search functionality returns expected results.
- Verify that sorting by any column returns expected results.
- Verify that navigating to the Home, Tractors, or Trailers page returns the appropriate assets.
- Verify that selecting an All, In-Service, or Out-of-Service filter returns the appropriate assets.
- Verify that pagination and the number of rows displayed per page returns expected results.

Mobile

- Verify that all functionalities are preserved on the mobile site.
- Verify that the hamburger menu provides the intended navigation functionality.