LOST Test Plan

(User creation still done through web service as of 14 March)

Stage 1: User Creation

1.1) Create at least two users, one facilities officer, one logistics officer using

Stage 2: Login and permissions

2.1) Log in to the facilities officer
2.2) Attempt to manually navigate to the following addresses, all of which should deny permission
/dispose_asset
/transfer_req
/update_transit
2.3) Logout, and log in with the logistics officer
2.4) Attempt to manually navigate to /approve_req, which should deny permission

Stage 3: Facilities

3.1) Logged in to either user, navigate to /add_facility
3.2) Add at least 2 facilities, confirming that they all appear in the table displayed on the web page
3.3) Attempt to add a duplicate facility (either in fcode, common name, or both), check that it is declined gracefully (i.e. without crashing)

Stage 4: Adding assets

4.1) Again, using either user, navigate to /add_asset
4.2) Create one asset for each facility, ensuring assets properly reflect their assigned location
4.3) Check for graceful handling of improper information (duplicate asset tag, bad date format, etc.)

Stage 5: Asset Transfer

Part 1: Submitting transfer requests

5.1.1) Ensuring current user is a logistic officer, navigate to /transfer_req
5.1.2) Submit a total of three transfer requests, two for the same asset, and the third for a different asset.
5.1.3) Attempt to submit another request with the same source and destination facilities, system should reject the request

Part 2: Approving requests, and preservation of location integrity

5.2.1) Switch users to facilities officer.
5.2.2) Ensure the three transfer requests are visible on the dashboard, and are actionable.

5.2.3)   Go to approve one of the two requests for the same asset.
5.2.4)   Approve the request, which should automatically reject any other pending requests for the same asset (one asset cannot be sent on more than one transfer at once).
5.2.5)   The dashboard should show one remaining transfer request, with the rejected duplicate request no longer showing. Approve this request, too.

Part 3: Updating transit information

5.3.1)   Return to Logistics Officer.
5.3.2)   Dashboard should display 2 approved transfers waiting for update.
5.3.3)   Update the load time for both of these transfers, ensuring dashboard reflects the new information.
5.3.4)   Update the unload time for one of the transfers, which should cause this transfer to disappear from the dashboard.
5.3.5)   Leave the unload time blank for the second transfer.

Stage 6: Asset Disposal

6.1) Navigate to /dispose_asset (user should already be a logistics officer)
6.2) The only assets available for disposal should be those that are not in transit, or have not already been disposed; ensure the asset left in transit from stage 5 is not eligible for disposal.
6.3) Dispose an asset. The one for which the transfer completed should be eligible for disposal, or any other asset if more than 2 were created.

Stage 7: Asset Report

7.1) Using either user, navigate to /asset_report
7.2) Run queries to Run queries using appropriate date and facility information (based on your input to previous steps) to check the following:
-        All assets should appear at their initial facility immediately after creation.
-        Transferred asset should only appear at new facility after transfer is complete (unload time), and should not appear at the first facility after transfer begins (load time).
-        Disposed assets should cease to appear in a report for a date after disposal date.
-        Disposed assets should display the status "Inactive" (status will be static based on current status of the asset, regardless of its status at the time searched in the report).
-        Assets currently in transit should display the status "In transit."
-        If any assets are left not disposed from the previous section, the report should find these assets at their current facility indefinitely.

Stage 8: Transfer report

8.1) Navigate to /transfer_report
8.2) Run queries to check the following:
-   Any transferred assets should only be visible if the searched date is between load time and unload time.

- If a transit is left incomplete, with a load time and no unload time, it should be considered in transit, and should be visible on any searched date after the load time.

Stage 9: Access Control

9.1) Log out of the current user, and attempt to manually navigate to any of the internal pages (add_asset, dashboard, etc.); Application should deny access to prevent changes from being made to the database without a valid user logged in.
9.2) Revoke access to one or both users.
9.3) Ensure a user cannot log in with a deactivated account.
9.4) Reactivate a user by passing the same username back to the activate_user client using a different password from when it was initially created.
9.5) Ensure that user can once again log in with new credentials.