ISSUES

Issue: Fix Clear buttons on User management and Loan and Return

Explanation: The "Clear" button exists and clears the search text, but it sometimes fails because the table of results does not refresh properly. The fix ensures that after clearing the text field, the table reloads all items correctly.

Issue: Error from UserCatalog when going back and clicking again

Explanation: Materials are not displayed a second time, and the "Back to Home" button is empty.

Issue: Holds not deleted due to timezone mismatch

Explanation: When running the cleanupExpiredHolds() method, holds that should have expired after 24 hours are not deleted. The problem occurs because the hold timestamps from the database are in UTC, while Java compares them using the local Rome time, causing a 1-2 hour mismatch.

Issue: AddLoanController does not show holds and allows any user to loan

Explanation: When opening the Add Loan dialog, existing holds for a material are not displayed. Additionally, the system allows any user to create a loan instead of restricting it to the user who placed the hold.

Issue: Search bar cannot handle multi-word queries

Explanation: When entering multiple words in the search bar, the system fails to find results even if all words exist in the same title or user name. Currently, the search only matches the beginning of words individually, causing incomplete search results.

Issue: Return of duplicated loans fails

Explanation: When a user has more than one loan of the same book on the same day, the system cannot process the return. The current implementation searches loans by book title, user name, and due date instead of using the unique idLoan, causing the return to fail.

Issue: Hold button works incorrectly

Explanation: The controller from the user catalog holds all the duplicated materials instead of only one.

Issue: Hold table not updated

Explanation: Hold table is not updated when releasing a hold.

Issue: Search material and add material doesn't open twice

Explanation: Once clicking "Go Back," you cannot navigate back to those interfaces.

Issue: Edit button on catalog is not being shown

Explanation: Caused by a NullPointerException because "idGenre" is null in MaterialGenre. This prevents the EditMaterialController from loading existing genres and stops the Edit button from appearing in the catalog.

Issue: Add the notifications in the Notification menu that reminds the user to pick up their holded materials

Explanation: Implement notifications in the Notification menu to alert users about any holded materials they need to pick up.

Issue: Log out confirmation

Explanation: Add a confirmation prompt when the user clicks the log out button to prevent accidental logouts.

Issue: The Loan and Return menu is missing a button for editing existent loans

Explanation: Add an "Edit Loan" button to allow modification of an existing loan in case the Admin made a mistake when creating it.

Issue: Change the "Add Material" section to "Material Management"

Explanation: Redefine the Materials catalog as a library inventory for easier management of existing and desired materials. The new section will include the existing "Add Material" functionality via a button.

Issue: Widow size not stable

Explanation: When switching interfaces, the window does not retain its previous size and resets to 520x800, even if it was previously maximized.

Issue: Missing Log Out Button in landing interfaces

Explanation: A Log Out button needs to be added to both User and Admin Landing interfaces to allow users to log out.

Issue: Search button is not being used in CatalogMaterial

Explanation: The search button in the CatalogMaterial interface is currently non-functional. It will be replaced by a "Clear" button that clears the text field in the search bar and also resets all active filters, restoring the display of all results as if no search or filter was applied.

Issue: ER diagram has to be changed so that hold_status from table HOLDS is eliminated

Explanation: The hold_status column in the HOLDS table is redundant and needs to be removed. The database schema (.sql) and all related DAO classes must be updated accordingly.

Issue: Loan/Return window does not have the "Back to Home" button

Explanation: The Loan/Return window in the Admin interface is missing a "Back to Home" button. This button needs to be implemented so that all windows in the application have consistent navigation functionality.

Issue: Duplicated private void setupGenreSearch()

Explanation: Both EditCatalogController() and AddMaterialController() contain the same setupGenreSearch method. The task is to refactor the code so that one method can be reused by the other, avoiding duplication.