EECS 2311 - Group 3
Iteration 3 Refactoring Document

Iteration 2 Code Smells

1. VaultUI.java is bloated due to the redundant setup of the entire navigation bar along with the search bar and all its methods within the class.
2. ExploreMoviesUI.java uses hard-coded values for the genre sections, so the number of movies in each genre section can't be changed and more sections can't be easily added.
3. MyActionListener.java and MyMouseAdapter.java have similar functionality and are not both required.
4. Multiple classes contain unused imports and obsolete variables.

Code Refactorings

1. Created SearchbarLogoSetup.java that can be called to set up the logo along with a fully working search bar in every required class rather than setting it up manually in every page. VaultUI.java and other classes that contain a searchbar are now less bloated.
2. Redesigned ExploreMoviesUI by:
   a. Removing hard-coded sizes for movie scroll panes in each genre and using the more efficient Java swing grid layout.
   b. Creating a method for movie organization by genres rather than duplicating code for each genre.
   This allows ExploreMoviesUI.java to be more flexible with the addition of movies in each movie genre.
3. Figured out a way to use native ActionListeners and MouseAdapters to implement the hyperlinks for movie posters. This allowed us to delete MyActionListener.java and MyMouseAdapter.java as they became redundant.
4. Removed dead code from all classes and added comments to all classes where needed.