The Problem Report Form (For Bookmark)

Bugs

- **Bug 1:** Switch from client to QA team data doesn't reset

Reported By: Gavriel Kirichenko
Date Reported: March 16th, 2023
Program: Bookmark
Release number: Itr2
Version identifier: Not provided
HW/SW configuration: Run the jar provided on google drive on windows 10 using jdk 19.0.2
Report Type: Code Bug
Can reproduce: yes
Severity: High
Problem Summary: Data is not reseted when switching accounts
Key Words:
Problem description/reproduction: When logged out of any account (client/Q&A) the data is still saved and not reseted, everything in the MyList tab is still the same no matter what account you use and if you log out and log in with a different account
Suggested Fix: Make each account be separate object with separate database saves
Status: Open

- **Bug 2:** favorite is not saved when i go back to the search page

Reported By: Gavriel Kirichenko
Date Reported: March 16th, 2023
Program: Bookmark
Release number: Itr2
Version identifier: Not provided
HW/SW configuration: Run the jar provided on google drive on windows 10 using jdk 19.0.2
Report Type: Code Bug
Can reproduce: yes
Severity: Medium
Problem Summary: favorite is not saved when page is switched
Key Words:

Problem description/reproduction: When movies/books are added to favorite they are denoted with " * ", and go on top of the list. When switching back to the search tab and saving a new book/movie to my list the favorite list is reseted and needs to be added back manually.

Suggested Fix: Make and object that contains the favorite books/movies and save it to the database so it doesn't reset every time a user add new book/movies

Status: Open

· **Bug 3:** When "remove from list" is pressed all favorites are erased

Reported By: Gavriel Kirichenko
Date Reported: March 16th, 2023
Program: Bookmark
Release number: Itr2
Version identifier: Not provided
HW/SW configuration: Run the jar provided on google drive on windows 10 using jdk 19.0.2
Report Type: Code Bug
Can reproduce: yes
Severity: Medium
Problem Summary: Favorite list is reseted when "remove from list" button pressed
Key Words:
Problem description/reproduction: When "remove from list" is pressed while nothing is selected all the favorites movies/books that were denoted with the " * " are not denoted anymore with it and all the books and movies need to be added back to favorite manually.
Suggested Fix: Make the user extend an object of that contains all its favorite user books/movies
Status: Open

· **Bug 4:** Duplicate items in my favorite list

Reported By: Andrija Radivojevic
Date Reported: March 15th, 2023
Program: Itr2
Release number: Itr2
Version identifier: Not provided
HW/SW configuration: Run the jar provided on google drive on windows 10 using jdk 19.0.2
Report Type: Code bug
Can reproduce: yes

Severity: Medium
Problem Summary: Adding favorite movie or book twice duplicates in my list
Key Words:
Problem description/reproduction: When a user clicks on a movie or book and adds to favorite lists twice, the movie/book shows up twice on mylist and removing one of them removes both duplicates.
Suggested Fix: Implement code to check if a movie or book is in favorites when clicking on add to favorites.
Status: Open

· **Bug 5:** 'Save to' not functional on singe mouse-click

Reported By: Neha Jogia
Date Reported: March 16, 2023
Program: Bookmark
Release number: Itr2
Version identifier: None provided
HW/SW configuration: Marking 'Resources' and 'main' to root directory, running the 'main' on Mac using jdk 19.0.2
Report Type: Code Bug / Design Issue
Can reproduce: yes
Severity: High
Problem Summary: 'Save to' button menu options not visible after single mouse-click on 'Save to'. The options disappear.
Key Words: 'Save to'
Problem description/reproduction: When 'Books' or 'Movies' are searched with different criteria, Movies and Books are listed with 'Save to' button on the far right. After a single mouse click on the 'Save to' button, the options disappear with the 'Save to' as soon as the pointer exits the window pane. This makes the task of adding multiple books and movies to the list very tedious as it takes time in getting the visibility of the 'Save to' options after multiple clicks on the button.
Suggested Fix: Changing button control behavior using specific mouse event might fix the issue.
Status: Open

· **Bug 6:** Bookmark,jar does not compile and run on mac's command prompt.

Reported By: Bhargavkumar Seliya
Date Reported: March 16, 2023
Program: Bookmark.jar

Release number: Itr2
Version identifier: None
HW/SW configuration: Compiling and running "main" method on Mac jdk 19.0.2
Report Type: code bug
Can reproduce: yes
Severity: High
Problem Summary: It does not compile and run on the command prompt of mac issuing runtime exceptions.
Key Words:
Problem description/reproduction: When we try to run on macbook, the program bookmark is not compiled properly issuing Runtime exceptions. The error is with JavaFX installation and configuration.
Status: open

· **Bug 7:** "Remove Book" button throws exception when no item is selected.

Reported By: Gabriel RIncon
Date Reported: March 15th, 2023
Program: Bookmark
Release number: Itr2
Version identifier: Not provided
HW/SW configuration: Run the jar provided on google drive on windows 10 using jdk 19.0.2
Report Type: Code bug
Can reproduce: yes
Severity: Medium
Problem Summary: "Remove Book" button throws exception when no item is selected.
Problem description/reproduction: The exception was initially found by clearing the lists and pressing remove book. Attempting to replicate this error, I populated the list with an item and pressed the "Remove Book" button without selecting an item which threw the same exception. This behaviour exists of "Remove Movie" as well but no "Remove from List" which is for the "What to read/Watch Next" list.

The exception shown is "JavaFX Application Thread" java.lang.RuntimeException: java.lang.reflect.InvocationTargetException" with a large stack trace
Suggested Fix: Add logic around the Remove buttons to not attempt to execute a removal in the case that no item is selected.
Status: Open

Issues

Issue 1: Movie Synopsis

Reported By: Neha Jogia
Date Reported: March 16, 2023
Program: Bookmark
Release number: Itr2
Version identifier: None provided
HW/SW configuration: Marking 'Resources' and 'main' to root directory, running the 'main' on Mac using jdk 19.0.2
Report Type: Requirement Issue
Can reproduce: yes
Severity: low
Problem Summary: Movie Synopsis doesn't appear for every movie in the list
Key Words: Description
Problem description/reproduction: When Movies are searched with different criteria, the description box does not give movie synopsis for certain movies in the list. For example, when set the search criteria as: 'Movies', 'title' and 'Good', 'Good Morning Son' movie is selected, no description is shown for the movie.
Suggested Fix: When Movie Synopsis not found by the search, simply give the message 'No description found'.
Status: Open

Issue 2: Should have different categories of my watch/ my read depending on if book or movie filter is chosen.

Reported By: Andrija Radivojevic
Date Reported: March 15, 2023
Program: Bookmark
Release number: Itr2
Version identifier: None provided
HW/SW configuration: Run the jar provided on google drive on windows 10 using jdk 19.0.2
Report Type: Incorrect Design
Can reproduce: yes

Severity: low
Problem Summary: Design of button label should be labeled according to category selected
Key Words: Description
Problem description/reproduction: When selecting either book or movie category, the button for my watched/my read should be set according to whether movie or book is selected instead of put together in one label.
Suggested Fix: Change button label for my watched and my read depending on if the movie or book category is selected respectively.
Status: Open

Issue 3: When we add any movie/book name on read/watched list, it should remove the name from what to read/what to watch next list simultaneously.

Reported By: Bhargavkumar Seliya
Date Reported: March 16, 2023
Program: Bookmark
Release number: Itr2
Version identifier: None provided
HW/SW configuration: Run the jar provided on google drive on windows 11 using jdk 19.0.2
Report Type: Incorrect Design
Can reproduce: yes
Severity: low
Problem Summary: When we have any book/movie name already in what to watch/read next list and when we add the same book/movie name to books read/movie watched list, it should automatically remove that name from the what to watch/ what to read list.
Key Words: Description
Problem description/reproduction: When we have any book/movie name already in what to watch/read next list and when we add the same book/movie name to books read/movie watched list, it should automatically remove that name from the what to watch/ what to read list. In all, the name of book/movie should be in any one list , either what to read/watch next OR Books I've read/Movies I've watched List. The name should not be on both List.
Suggested Fix: Should fix the algorithm design
Status: Open

Issue 4: Actions on the 3 different lists can lead to seemingly random additional items being entered

Reported By: Gabriel Rincon
Date Reported: March 15, 2023
Program: Bookmark
Release number: Itr2
Version identifier: None provided
HW/SW configuration: Run the jar provided on google drive on windows 10 using jdk 19.0.2
Report Type: Coding (incorrect behaviour)
Can reproduce: Sometimes
Severity: High
Problem Summary: Actions on the 3 different lists can lead to seemingly random additional items being entered
Problem description/reproduction: Adding an item to a list had other items pop up, seemingly randomly. For example, adding "The Titan's Curse" to the empty book list had "Origin Story" be added as well. Adding "Attack on Titan: Wings of Freedom" to the empty movie list added "Horror", "All Hallows' Eve Horror", "Happy Horror Days", "Horror", "Cyber Hell: Exposing an Internet Horror" and "Paganini Horror." The consistency of this issue feels random however as when attempting to replicate this bug by removing items from the "Movies I've Watched List", all 3 lists had items randomly added to them, sequent removals had no strange behaviour and adding a movie to the "Movies I've watched" list while empty also had no strange behaviour.
Suggested Fix: The randomness of this makes it difficult to suggest a fix. Recommendation is to attempt to use the buttons in high frequency and note when this behaviour occurs. May also be worth trying to delete the database before a application run to see if first time runs are the cause of the issue.
Status: Open

Logs

Search Book/Movies & Movie Synopsis: (Log by Neha Jogia)
While searching for Books and Movies with different sets of filters, when I attempted to save a particular movie or book to my list, the 'Save to' button would not function properly with single mouse click. At times, Double-clicking 'Save to' Button would show the menu options, but it is not the case for every entry in the list. This makes it difficult to add bunch of movies and books to the list quickly. Another minor issue I encountered was when I was testing Movie Synopsis for different movies selected based on different filters, Description box would remain blank for the movie it cannot search Synopsis for. I would like to know if the system was able to find a description for a movie that was selected or shown a message that it could not find one. The 'Save to' mouse click

behavior needs to be fixed as it would significantly improve user experience of adding targeted Books/Movies to the list.

Book Cover & Book Author:

Book List & Movie List: (Log by Gavriel Kirichenko)
While testing the Book list and the movie List we encountered a couple of bugs regarding the Lists, the sorting mechanism on the list works just fine but the main issues have to do with the favorite list. When i stumble on this bug i tried to save new books/movies to my favorite list and I saw that my favorite are erased which made me add all my favorite books/movies manually. I also realized every time the "remove from list" button is pressed, my favorite list is reset, and I have to start all over again. Those bugs were frustrating since I had to add book and movie back every time. Overall those bugs are minor but needed to be fixed since the list is not properly displaying the favorites.

Favorite list & Search buttons: (Log by Andrija Radivojevic)
While testing my list feature, a couple bugs were realized. Favorite list in my list does not function properly sometimes. When I tried to add a book to my favorites twice they both appeared and the star from my favorites disappeared. A design issue I found while trying to search for books and movies was the label of the filter buttons. They would say "my watched/my read" when it should realistically be "my watched" and "my read" respectively. Overall the design issue is minor but adding a favorite twice feature should be fixed to reduce future errors.

Code Review: (Log by Gabriel Rincon)
Going over the repo structure and class hierarchy, the group has done a good job applying the design patterns learnt in lecture to their application. All classes are well organised although the view folder appears a little empty. Unless it is a misunderstanding on my part, all UI focused classes fall under view and the controller classes are what the view classes call to manipulate data. From what I see however, the only two classes in the view folder are the entry point for the program and the class which dictates the initial screen

(the login screen). The remaining UI is not in the view folder, particularly where the launch() method called in BookmarkApplication.java is defined. The only other criticism I can point out without going through each and every class individually for hours is that there seem to be classes without meaning. Under controller/sorting, there is a singular class called AlphaSort.java which simply calls the sort default sort method and returns the sorted list. Not only is this redundant, this method is done twice for Movies and Books even though their functionality is identical and if this were to be a utilitary class, the constructor should be private and methods static since no more than 1 instance of the class is needed. In a similar vein, there is a DBManager.java class under controller which is nothing but a class definition with no purpose. While it causes no direct harm to the functionality of the program, many design patterns end up creating a bit of a file bloat. This bloat can make repositories hard to navigate meaning cleaning up of meaningless classes becomes of higher concern. To summarize, organization has been done fairly well although many classes still need to be cleaned up/repurposed.

What to Read/Watch next & Books I've read/Movies watched: (Log by Bhargavkumar Seliya)

While I was testing the Application, I found out that the feature should have a proper function and its meaning for its usage. I tried to add any book/movie name to 'what to read/watch next movie' List. Now, If you add the similar name of book/movie to 'Books I've read/ watched movies' List, the name should be automatically removed from the 'what to read/watch next movie' List. The meaning of this process is that there should be only one list to have that book/movie name to be enlisted. Both the lists should not have the same book/movie. Because the book/movie is either remaining to read/watch or already read/watched, not both simultaneously. In all, its minor design problem needs to be fixed to create any future errors.

This document will be shared with the Bookmark group. The bugs and issues will be added to their repo's issues tab.