

## EECS 2311 - Group 3

### Iteration 3 Planning Document

#### Iteration 3 Tasks

##### Recommendations:

- Create recommendations in the UI (**Isaac**)
- Make backend for getting similar genre recommendations while getting rid of vault matches (**Mate**)

##### Status:

- Status Types
  - Completed
  - In Progress
  - Yet to Watch
- UI (**Ruth**)
- Backend for status for userid and movieid combo, make sure to remove from relations (**Mate**)
- Userid for selecting the options

##### Reviews:

- Create a review relation within mysql which holds userid, movieid and the review contents (**Mate**).
- Implement backend to get 3 random reviews for individual movies (**Mate**).
- Create UI for reviews (**Isaac**)
  - add button to movie description page to go to review page
    - within the review page, the user should see the review that they created, or a section to create a review if they have not, as well as 3 random reviews gotten from the DB



## Profile Page:

### Personalization:

- Backend for setIcon and getIcon for Users (**Mate**)
- UI for the personalized icon (**Isaac**)

### Stats:

- Backend (**Mate**), get user stats based on the mediacollection of the user (MAKE SURE TO RETURN DATASET FOR BAR CHART & PIE CHART USAGE)
- UI setup the stats display (**Muhammad/Herman**)
- Stats to display:
  - Total movie watchtime (Return in string format "xh xxm", where x is an int)
  - Bar chart displaying:
    - Number of movies to watch
    - Number of movies in progress
    - Number of movies watched
  - Pie chart displaying the genre distribution

## New JUnit Tests & Integration Tests:

### Backend (**Isaac**):

- RecommendationsTest
- ReviewTest

### Persistence (**Isaac**):

- RecommendationsDBTest
- ReviewDBTest

Tests for userIcon methods in backend and persistence

## Bugs & Issues

**Problem Report Number:** 1

**Reported by:** Isaac

**Date Reported:** 21st March 2023

**Report Type:** Coding Issue

**Can Reproduce:** Yes

**Severity:** High

**Priority:** High

**Problem Summary:** Application crashes when there are too many database connections.

**Problem description & How to Reproduce it:**

When there are too many tasks performed in one compilation of the application, it causes the program to crash with a JDBC "Too many connections" error. This bug can be reproduced by performing multiple tasks in the application in one compilation.

For example:

1. Logging in to a user and adding many movies to a vault
2. Trying to check that user's vault
3. Logging in to another user and repeating steps 1 and 2.

**Suggested Fix:** Create a class to manage the active connection and close unnecessary connections.

**Resolution:** Fixed (26th March 2023)

**Fixed by:** Ruth

**Problem Report Number:** 2

**Date Reported:** 22nd March 2023

**Can Reproduce:** Yes

**Severity:** Medium

**Reported by:** Isaac

**Report Type:** Coding Issue

**Priority:** High

**Problem Summary:** Statuses are not appropriately assigned in the vault.

**Problem Description & How to Reproduce it:**

When there are multiple movies in the vault, assigning a status to any of them only changes the status of the last movie added to the vault. This means that the statuses of movies in the vault cannot be changed (other than the last one added to the vault). This bug can be reproduced by adding multiple movies to a vault and trying to assign a status to each of them.

**Suggested Fixes:**

- Look at the ActionListeners or PopupListeners given to the "STATUS" buttons and ensure that they are assigned at runtime rather than at compile time.
- Check if the labels to display the status of a movie are set for each movie in the vault and not just the last movie added to the vault.

**Resolution:** Fixed (26th March 2023)

**Fixed by:** Ruth

**Problem report number:** 3

**Date reported:** 27th March 2023

**Can reproduce:** Yes

**Severity:** High

**Reported by:** Ruth

**Report type:** Coding Issue

**Priority:** High

**Problem summary:** One account can access data from another.

**Problem description and how to reproduce it:**

Having two accounts with the same usernames only different case letters, Any operation performed on one account reflects on the other.

Steps to reproduce it:

1. Login to an account and add one or more movies into the vault and/or Change profile picture.
2. Logout and create a new account with the same username, different case letter/s. Example user vs User, User vs USER etc
3. Navigate to Vault without adding any movies to the new account. You can see the previously added movies appear in the newly created user's vault. The profile picture is also the same and not the default one.

**Suggested fix:** Prohibit new account creation if they have the same username even though it's different cases.

**Resolution:** Fixed (29th March 2023)

**Fixed by:** Mate

## Final Big User Stories:

## Account Creation

As a user, I should be able to securely create an account and log in to it.

Priority: High

Cost: 5 days

## Movies Information

As a user, I should be able to view information on the movies in the library.

Priority: High

Cost: 7 days

## Watch List

As a user, I should be able to keep track of the movies I have watched/am currently watching.

Priority: High

Cost: 2 days

## Wishlist

As a user, I should be able to create a list of books to read/movies to watch from the library.

Priority: Medium

Cost: 2 days

## Recommendations

As a user, I should be able to receive book and movie recommendations based on my preferred genres.

Priority: Medium

Cost: 5 days

## Reviews

As a user, I should be able to see the reviews for a book/movie when viewing its information.

Priority: Low

Cost: 2 days

## Personalization

As a user, I should be able to customize my profile to suit my preferences and other users should be able to see it.

Priority: Low

Cost: 2 days

## User Statistics

As a user, I should be able to see some statistics about my watching habits and have it displayed in a graph to easily understand it.

Priority: Medium

Cost: 3 days.

## Iteration 3 Detailed User Stories:

### Recommendations

When user first creates account, there won't be any recommendations. As soon as the user adds a movie title to the vault, the application will start giving recommendations at the beginning of the movies page based on the genre of the movies added into vault. It won't recommend titles already added into the vault.

Priority: Medium

Cost: 5 days

### Status

Once users add a movie title inside the vault, they are able to change the status of the movie. At the bottom of the title there will be a status button which can change to "Completed", "in Progress", "yet to watch". User can change between the 3 to keep track of what has and hasn't been watched.

Priority: Medium

Cost: 2 days

## Reviews

Users are able to leave a review on the movie information page. User should also be able to see other user reviews. User can add these reviews from the main movies page and when a title is clicked upon, at the bottom of the pop up page will be an option to add a review.

Priority: High

Cost: 3 days

## Personalization

To give the user the feeling of having a personal account, we added the feature of the user being able to choose their user icon. They can do this by going into their profile and selecting an icon

Priority: Low

Cost: 1 Day

## User Statistics

User should be able to see some statistics about their watching habits. From the profile section they should be able to see the total number of hours and minutes they have watched, distribution of how many movies they have watched, plan to see, or in progress as well as which genres the user watches.

Priority: Low

Cost: 3 days