

# Test Cases

## 1. User profile

Description: Test the functionality to search a user's profile information.

Steps:

- Select option 1 from the menu.
- Enter patron ID
- Select a choice from the menu to view profile data

Expected Result: The user is able to view and update their profile information, including favorite books, genres, and friends list.

## 2. Groups and Discussions

Description: Test the functionality to view and participate in all groups and discussions.

Steps:

- Select option 2 from the menu.
- Select groups or discussions to view
- Enter the name of either to view members/comments

Expected Result: The user can join existing or create a group, initiate discussions, and participate in conversations related to their interests.

## 3. Events and Meetups

Description: Description: Test the functionality to view and participate in all events and meetups.

Steps:

- Select option 3 from the menu.
- Enter the event name to view the participants

Expected Result: The user can browse through upcoming events, RSVP to attend, and view participants.

#### 4. Sign-In/Sign-Out

Description: Test the functionality to sign-in/sign-out of a user's personal profile.

Steps:

- Select option 4 from the menu.
- Enter patron ID

Expected Result: The user can successfully log in to their account or sign out, ensuring the user's ability to participate in the social network program.

#### 5. Main Menu

Description: Test the functionality to exit the program after usage.

Steps:

- Select option 5 from the menu.
- Closes scanner and program without failure.

Expected Result: The program closes.

## Observations

- All test cases passed successfully without any to little error.
- The system efficiently handles various user inputs and operations.
- Searching for patrons did not result in any issue not already handled.
- Looking up data in the database did not result in any large performance issues.
- The interface provides clear prompts for user interaction.
- Error handling catches invalid inputs and provides appropriate error messages.
- If an error occurs, the program returns to the main menu with the error message.

View TestDocumentation.txt for a walkthrough of the program.