Landing Page:

- Run App
- Should see the Landing Page
- Scroll through the book list on "Latest Releases"
- Refer to → **SamePage/src/test/java/com/eecs3311/EndtoEndTests/LandingPage.png**

Search for Book:

Test #1: As Guest (by default):
- Run App
- Should see the Landing Page
- Click search bar
- Type a book name: [**ex. Harry Potter or harry potter**] and click enter
    - Should get 1 book
- Refer to →
  SamePage/src/test/java/com/eecs3311/EndtoEndTests/BookSearchResult.png

- Type a generic word: "and", "an", etc: [**Generic Word ?**] and click enter
    - Should get a list of books with generic words included
    - Scroll through the list if results are many
- Refer to →
  SamePage/src/test/java/com/eecs3311/EndtoEndTests/GenericSearchResult.png

Test #2: Logged In:
- Repeat steps as Guest role

Register/Login:

Test #1: Easy Registration:
- Open App
- Should see the landing page Refer to →
  SamePage/src/test/java/com/eecs3311/EndtoEndTests/LandingPage.png
- Click the Login button from Navbar
    - Enter unregistered username and password info
    - Click the "Login" button
    - Should see error output Refer to →
      SamePage/src/test/java/com/eecs3311/EndtoEndTests/InvalidLogin.png
- Click the Register button from Navbar
    - Enter unregistered information following all correct rules
    - Click the "Register" button
    - Should see the success message output Refer to →
      SamePage/src/test/java/com/eecs3311/EndtoEndTests/RegisterUser.png
- Click the "Login" button from Navbar
- Enter now registered information
- Should see a success message Refer to →
  SamePage/src/test/java/com/eecs3311/EndtoEndTests/ValidLogin.png

- Should be redirected to Landing Page Refer to →
SamePage/src/test/java/com/eecs3311/EndtoEndTests/LandingPage.png

Test #2: Input Validation (QA Team Bug)
- Open App
- Should see the Landing Page Refer to →
SamePage/src/test/java/com/eecs3311/EndtoEndTests/LandingPage.png
- Click the "Register" button from Navbar
    - Enter unregistered information
        - Enter incorrect email address (no @ or ".")
        - Go to the next field
            - Should not be able to enter any information (expected behaviour)
            - Click the "Register" button
            - Should get error pop-up
            - Fix the email address field input to the proper email address
    - Go to the next field
        - Should be able to enter information now
    - Enter incorrect username (< 3 or > 16 characters with random symbols: %#$*)
        - Click the "Register" button
        - Should get an error popup
        - Fix username field input to the proper email address
    - Fill out all remaining fields correctly
    - Click the "Register" button below
    - Should see a success message

User Reviews:

- **Test #1**: Not-Logged In
    - As a guest, open the app
    - Click on a book or search for a specific book [**ex. Harry Potter**]
    - Should see reviews if available from other users or be the first to review the book
    - Type text into the text box
    - Increment rating slider
    - Click the "Submit" button
    - Should see an error message on the Book display pop-up Refer to →
    SamePage/src/test/java/com/eecs3311/EndtoEndTests/GuestReview.png
- **Test #2**: Logged In
    - Open the app
    - Log in with pre-existing credentials that aren't related to the users from the pre-req
    - Click on [**Book Name ?**]
    - Should see 2 reviews from pre-req
    - Type text into the box
    - Increment rating slider
    - Click the "Submit" button

- Should see the review on the screen and the rating average increase Refer to → **SamePage/src/test/java/com/eecs3311/EndtoEndTests/SubmitReview.png**
- Click out of the review pop-up window

Book Information:

- Open the app
- Click on book from the landing or can search a specific book [**ex. Harry Potter**]
- Should see the title, image, author, genre, isbn#, description, rating slider, review text box, and review screen Refer to → **SamePage/src/test/java/com/eecs3311/EndtoEndTests/BookInfo.png**

Favourites:

Test #1: Not Logged In
- Open the app
- Click the "Favourite" button on books in landing or from search view [**ex. Harry Potter**] Refer to → **SamePage/src/test/java/com/eecs3311/EndtoEndTests/LandingPage.png**
- Should see a pop-up message telling you to sign up Refer to → **SamePage/src/test/java/com/eecs3311/EndtoEndTests/LandingPage.png**

Test #2: Logged In
- Open the app
- Log in Refer to → **SamePage/src/test/java/com/eecs3311/EndtoEndTests/ValidLogin.png**
- Click the "Favourite" button on the landing page or from the search view [**ex. Harry Potter**]
- The "Favourite" button should turn into the "Remove" button Refer to → **SamePage/src/test/java/com/eecs3311/EndtoEndTests/FavBook.png**
- Click the "Profile" button on the navbar
    - [**Book Name ?**] should be displayed in the "Favourite Books" panel with a "Remove" button Refer to → **SamePage/src/test/java/com/eecs3311/EndtoEndTests/FavBookProfile.png**
    - Click the "Remove" button on [**Book Name ?**]
    - [**Book Name ?**] should be removed from the "Favourite Books" panel Refer to → **SamePage/src/test/java/com/eecs3311/EndtoEndTests/Profile.png**
    - Click the "Home" button on the navbar
- The "Favourite" button should be back on [**Book Name ?**] Refer to → **SamePage/src/test/java/com/eecs3311/EndtoEndTests/RemoveFavBook.png**

Add New Book:

Test #1: Not Logged In
- Open the app
- search for a specific book [**ex. Hunger Games**]
- There should be no results matched, and you should see a message and button to add a book that is not in the catalogue to a wish list Refer to → **SamePage/src/test/java/com/eecs3311/EndtoEndTests/GuestNoResults.png**

- Click on the "Add book!" button and there should be a pop up form for the user to enter information of their book they would like to see on the app.
- The user can enter the details like book title and click Add book in the pop up form and will see a message that requires the user to log in. Refer to →
  SamePage/src/test/java/com/eecs3311/EndtoEndTests/GuestAddWishlist.png
- You can close the popup window and continue using the app or logging in as done in Test2

Test #2: Logged In
- Open the app
- Login with valid credentials
- Go back to home screen and search for a specific book [**ex. Hunger Games**]
- There should be no results matched, and you should see a message and button to add a book that is not in the catalogue to a wish list Refer to →
  SamePage/src/test/java/com/eecs3311/EndtoEndTests/GuestNoResults.png
- Click on the "Add book!" button and there should be a pop up form for the user to enter information of their book they would like to see on the app.
- The user can enter the details like book title and click "Add book" in the pop up form and will see the message that the book is added! Refer to →
  SamePage/src/test/java/com/eecs3311/EndtoEndTests/AddWishList.png
- Close the pop up and continue using the app

Find Friends & Viewing Friends Details:

- Open app
- Log in
- Click the "Social" button on the navbar
- Should be redirected to a new page, refer to →
  SamePage/src/test/java/com/eecs3311/End2EndTesting/images/SocialPage_On_Load.png
- Social Page:
    - Click on Jane_Smith's profile picture
        - A pop-up of user info should be shown
            - Should see the username, number of followers and how many following, and a list of the user's favourite books, refer to →
              SamePage/src/test/java/com/eecs3311/End2EndTesting/images/SocialPage_On_Profile_Click.png
        - Exit out of the Pop-up view
    - Click the "Follow" button on Jane_Smith
        - The "Follow" button should turn grey with the text "Unfollow"
        - On-screen, Jane_Smith's follower count should increase by 1, refer to →
          SamePage/src/test/java/com/eecs3311/End2EndTesting/images/SocialPage_Followed_Account.png
    - Click on Jane_Smith's user profile
        - The follower count should increase, refer to →
        - Exit out of the Pop-up view
    - Click the "Unfollow" button on Jane_Smith
        - Follow count should decrease
- Search
    - Test 1) In the search bar, enter "o" and click the "Enter" button

- Should see 2 accounts refer to →
  SamePage/src/test/java/com/eecs3311/End2EndTesting/images/SocialPage_Search_Input_O.png
  - Test 2) Remove the search and click "Enter" to reset the results
    - Should see all registered users refer to →
      SamePage/src/test/java/com/eecs3311/End2EndTesting/images/SocialPage_On_Load.png
  - Test 3) On the drop-down menu, select "My Followers" and click the "Enter" button
    - Should see 3 accounts refer to →
      SamePage/src/test/java/com/eecs3311/End2EndTesting/images/SocialPage_Filter_MyFollowers.png
  - Test 4) On the drop-down menu, select "My Following" and click the "Enter" button
    - Should see 3 accounts refer to →
      SamePage/src/test/java/com/eecs3311/End2EndTesting/images/SocialPage_Filter_MyFollowing.png
  - Test 5) While the filter is on "My Following", in the search bar enter "a"
    - Should see 1 account "David_Kim" refer to →
      SamePage/src/test/java/com/eecs3311/End2EndTesting/images/SocialPage_Filter_MyFollowing.png
- Profile
  - Click on the "Profile" button to go to the profile screen
  - Should see your own follower count
    - Should be 3 – matches the number of people from *Search/Test1* refer to
      SamePage/src/test/java/com/eecs3311/End2EndTesting/images/ProfilePage_Defaul_OnLoad.png

User Goals:

- Open the app
- Log in Refer to →
  SamePage/src/test/java/com/eecs3311/EndtoEndTests/ValidLogin.png
- Click on the Profile button on NavBar Refer to →
  SamePage/src/test/java/com/eecs3311/EndtoEndTests/Profile.png
- Modify and add the number of books read by clicking ' + ' on the profile page Refer to
  → **SamePage/src/test/java/com/eecs3311/EndtoEndTests/AddGoals.png**