

## Story / Scenario Testing Accomplished

### Creating an Account:

- Story: A new user to Book Swap wants to create an Account on the website.
- Test Case (Using Navbar `Create an Account` button):
  - Navigate to the BookSwap homepage.
  - Click on the "Create an Account" button on the navbar.
  - Fill in the required information:
    - Valid Email Address
    - Username
    - Password
    - Verify Password
  - Click the Register Button to submit the form.
  - The user is successfully redirected to the homepage and the navbar incorporates changes of a user being logged in.
- Test Case (Using Homepage `Create an Account` button):
  - Navigate to the BookSwap homepage and scroll to the bottom.
  - Click on the "Create an Account" button on the screen.
  - Fill in the required information:
    - Valid Email Address
    - Username
    - Password
    - Verify Password
  - Click the Register Button to submit the form.
  - The user is successfully redirected to the homepage and the navbar incorporates changes of a user being logged in.

### Existing User Logging in:

- Story: An existing user wants to log in to their BookSwap account to browse through books.
- Test Case:
  - Navigate to the BookSwap website.
  - Click on the "Log In" button.
  - Enter valid credentials of an existing account:
    - Email Address
    - Password
  - Click on the "Log In" button.
  - The user is successfully redirected to the homepage and the navbar incorporates changes of a user being logged in.

### Existing User Opens the website:

- Story: An existing user who has already logged into the website once opens it again to browse for some books
- Test Case:

- Navigate to the BookSwap website.
- User is already logged into the website as his credentials were securely stored
- The user is successfully redirected to the homepage and the navbar incorporates changes of a user being logged in.

#### **Existing User wants to search for a certain book:**

- Story: An existing user wants to search for a specific book and use filters and sorting to find the best result
- Test Case:
  - Use the search bar to enter the title of the book being searched for.
  - Apply Course Code filtering, or School/University Filtering, or Category Filtering.
  - Apply minimum and maximum price range for results
  - The results are verified to be accurate to the filters.
  - User can sort the results in price high to low or vice versa
  - User can sort the results based on how new or old they are
  - The results are verified to be accurate to the sorting addition to the filters

#### **User Looking at a Listing in Detail:**

- Story: A user wants to browse through all the listings and look at some in detail
- Test Case:
  - After user finds the listing they want to look at
  - User is able to click on the listing which opens up details listing page
  - All the information on the page is accurate to the listing clicked

#### **Existing User Favoriting an Ad and confirming the action:**

- Story: A user wants to bookmark an interesting ad and confirm it's been bookmarked (added to favorites).
- Test Case:
  - Navigate to an ad listing and open it in detail
  - A logged in user sees `Add to Favorites` button on the screen while a logged out user doesn't see the button
  - Clicking the `Add to Favorites` button changes the styling of the button to show the user the ad has been Favorited and the text is changed to `Remove from Favorites`
  - User navigates to profile icon on the navbar and clicks it
  - From the dropdown, user clicks `My Favorites` which redirects the user to a different page
  - The user is able to see the ad listing they bookmarked on this page confirming the ad was bookmarked.

#### **Existing User Reporting an Ad:**

- Story: A user wants to report an ad that violates the content policy.
- Test Case:
  - Navigate to an ad listing and open it in detail

- A logged in user sees the `Report Listing` button on the screen while a logged out user doesn't see the button
- Clicking the `Report Listing` button displays a select field where the user can select the reason for reporting Without selecting the reason, the user is not able to report the listing
- User selects an option from the select field, which allows the user to now click the same button to finalize reporting the listing
- The action is confirmed through the text change which replaces the button stating `Your report has been submitted`

#### **Existing User wants to purchase a listed book:**

- Story: A user is interested in purchasing a book listed on BookSwap.
- Test Case:
  - User must be logged in, logged out users aren't able to contact sellers
  - Navigate to a listing and click on the listing.
  - User now sees the button to Contact Seller.
  - Clicking the button displays a new section where you can input your email, a subject, and the body of your email which will be sent to the seller.
  - From this point, the user and the seller can communicate with each other via email and not BookSwap.

#### **User Wanting to Look at Other Listings from a Seller:**

- Story: A user wants to explore other books listed by a specific seller.
- Test Case:
  - Once the user sees a listing they like, they have the option to look at other listings from that same user.
  - On the specific listing page, user can click the button `View Other Listings` to view all the listings posted by that specific seller
  - This page lists all the ads of the seller and the user is able to view all the listings in detail

#### **Logged in User wanting to post a listing:**

- Story: A logged-in user wants to post a listing on BookSwap and then confirm that it's been posted
- Test Case:
  - Users must be logged in to post an ad, otherwise a logged out user does not have an option to post an ad.
  - Once logged in, the user clicks on the `Post Ad` button on the right side of the navbar which brings the user to a form page.
  - User needs to fill the required fields and other fields if necessary:
    - Required:
      - Title
      - Description
      - Category

- University
  - Price or a trade offer
- Optional:
  - Tags
  - Images
- The user can select if they want to sell the book or trade it for another by clicking on the respective toggle buttons for the fields
- User uploads 2 images of the book and is successfully able to upload them and view them while creating the post
- User is also able to remove an image they had accidentally uploaded
- When a user tries to post the ad by clicking the `Post Ad` button on the page without filling all required fields, the user is shown an error message and displayed which fields are required.
- User is successfully able to fill all the fields and posts the ad successfully, the user is redirected to the homepage where they are able to see their listing.

#### **Logged In User wants to update one of their listings:**

- Story: A logged in user wants to update the price of a listing on BookSwap and confirm it has been updated
- Test Case:
  - Users must be logged in to update an ad, otherwise a logged out user does not have an option to post an ad. User must be logged into the account that created the ad
  - Once logged in, the user clicks on the `My ads` button on the right side of the navbar under the profile icon.
  - User needs to fill the required fields and other fields if necessary:
    - Required:
      - Title
      - Description
      - Category
      - University
      - Price or a trade offer
    - Optional:
      - Tags
      - Images
  - If the user is not logged into the account that created the ad, they will be redirected to the homepage.
  - Upon clicking the "update ad" button they will be redirected to the listing page for the ad that was updated, showing that the update has been completed

#### **Logged In User wants to delete one of their listings:**

- Story: a logged in user wants to delete a listing they just created.
- Test Case:

- Users must be logged in to delete a listing ad. User must be logged into the account that created the ad
- Once logged in, the user clicks on the `My ads` button on the right side of the navbar under the profile icon.
- If the user is not logged into an account, they will be redirected to the homepage.
- If the user is not logged into the account that created the listing, they will be redirected to the home page.
- The user will be presented with a view of listings they have created each with a “view” “update” “delete” button.
  - The user should click on the delete button for the listing they want to delete. The listing will then disappear from their ads page, showing that the listing has been successfully deleted

#### **User forgot their password:**

- Story: User has not logged into BookSwap for months, forgot their password and need to reset it to get back into their account
- Test Case:
  - User clicks on the login page and realizes they forgot their password
  - User clicks on the forgot password button on the login page
  - User enters their email and clicks “send reset link”
  - User checks their email and finds an email from BookSwap that contains a reset link
  - The user clicks the link and is able to change their password successfully.

#### **Logged In User wants to change their password:**

- Story: A logged in user thinks that their password has gotten too common and now wants to change their password
- Test Case:
  - User being logged in clicks on the profile icon on the navbar and from the dropdown, the user clicks on the `Change Password` option.
  - The user is redirected to a new page with form requiring three fields:
    - Current Password
    - New Password
    - Confirm New Password
  - The user needs to fill all these fields properly and the new password is enforced to follow the same restrictions as the main password.
  - After the form is filled user clicks the `Change Password` button and is successfully able to change their password
  - Any errors / invalid inputs are displayed to the user to ensure everything is done properly

#### **Admin Looking Over Reported Ads:**

- Story: An admin needs to review and take action on reported ads.
- Test Case:

- An admin account is like a normal user account but the account will have access to a secure page where all reported listings are handled.
- After Logging into a valid admin account, the admin will be able to click on the profile icon in the navbar like a normal user, but an admin will see an extra option `Administrator`.
- Clicking that button will redirect the admin to a new page where the admin will be able to view all the listings that have been reported at least once
- The admin then sorts all the listings on the page to get the highest reported listings first.
- If an admin wants to look at the listing in detail, the admin can do that by clicking on the title of the listing which brings the admin to the listing page
- To get out of the admin page, there are `Back to Site` and `Log out` buttons that the admin can click to either go back to site or log out safely.

#### **Admin Action Buttons (Delete Ad, Ban User, Resolve Report):**

- Story: An admin needs to use the action buttons on an ad (delete), user profile (ban), and reported ad (resolve report).
- Test Case:
  - In the Admin Dashboard, the admin is looking over all the reported listings
  - If admin finds that a post should be deleted, the admin can click on `Delete Listing` button and the listing will be deleted
  - If admin finds that the reports should be resolved, the admin can click on the `Resolve Report` button and the reports will be ignored while the listing remains
  - If the admin finds that the user who made the post should be banned, the admin can click the `Ban User` button and the user who created the post will be banned, and the user's listings will be deleted.
  - These actions can be verified by later browsing the listings and trying to find deleted posts.

#### **Banned user trying to log in**

- Story: User who has been banned from the website for inappropriate content wants to log in to create more posts.
- Test Case:
  - Navigate to the BookSwap website.
  - Click on the "Log In" button.
  - Enter valid credentials of an existing account:
    - Email Address
    - Password
  - Click on the "Log In" button.
  - User will see a message "User Is BANNED" and will be unable to login

#### **Banned user who is logged in tries to use website**

- Story: User who has been banned from the website but has not been logged out tries to use website
- Test Case:
  - User tries to load any page in the website
  - User will be logged out and returned to the landing page

#### **Unauthorized users accessing admin page**

- Story: Regular user realizes there is an admin page, and tries to access it.
- Test Case:
  - User who is not an admin types /admin into their browser and goes to the admin page
  - User is shown a white screen and redirected to the homepage, no critical information is shown to the user

#### **Users clicking post button many times**

- Story: While creating a post, a logged in user clicks the post button many times
  - Test Case:
    - On a logged in user, click to the “post ad” button on the navbar
    - Fill in all the details in the create post form
    - Click the create ad button many times
  - The create ad button disables after the first click, ensuring that the post request is only sent once and therefore the post is only created once successfully.

#### **Logged out user tries to create an ad**

- Story: An individual who has not created an account tries to create a listing
  - Test Case
    - Since they are not logged in, the user does not see the “post ad” button on the navbar.
    - The user goes to the /create page in their search bar
  - The user is redirected to the /register page and is unable to create a post

#### **Logged out user tries to update an ad**

- Story: An individual who has not created an account tries to update a listing
  - Test Case
    - Since they are not logged in, the user does not have access to the “my ads” page where they can click the “update ad” button
    - The user goes to the /update/listingid page by manually entering the listing id and the page in their search bar
  - The user is redirected to the /register page and is unable to update a post

#### **Existing User Reporting an Ad they have already reported:**

- Story: A user wants to report an ad multiple times to try and get a user banned faster.
- Test Case:
  - Navigate to an ad listing and open it in detail

- The user will be unable to see the report button. Instead they will see “Your report has been submitted”
- User will therefore not be able to submit multiple reports as intended.

**Existing User Reporting their own ad:**

- Story: A user wants to report one of their own ads to try and break the system.
- Test Case:
  - Navigate to one of their own ad listings from the users my ads page or from the search page and open it in detail
  - The user will be unable to see the report button since the listing is their own
  - User will therefore not be able to submit a report on their own ad