

Testing Notes

- Automated Testing
 - Run unit and end-to-end tests as described in README
 - Each e2e test ensures that a specific page has all required elements, and that user interactions are functioning properly
 - Each unit test ensures that the methods of each component function as expected
- Behavioral Testing
 - Homepage
 - Navigate to <https://localhost:8080>
 - Observe search bar on homepage
 - Enter a search query and ensure it routes to the search view
 - Click on each category and observe that it routes to the correct search results
 - Search
 - Navigate to homepage, and enter a search query in the search bar
 - Observe that you are routed to the search page, with appropriate query
 - If search results have appeared, click on an item and observe that it routes you to the item view
 - Enter a new query in the search bar on the search page, and observe the new results
 - Apply a category filter and observe the new results
 - Click through the pagination icon, and observe results changing
 - Change the number of items per page and observe the change
 - Item View
 - Make a search query, and select an item
 - Observe the item's details images load from database
 - Select different images and observe them appear in the main viewer
 - Log in, and make a reservation on the item using the rental calendar. Observe that your reservation is now indicated on the calendar and that the "Rent It" button has changed to a cancel request button.
 - Navigate to the "My Reservations" Tab on your profile and view the new reservation
 - Navigate back to item, and cancel your reservation. Observe the rental calendar, and the "My Reservations" tab on your profile update.
 - Write a review, and observe the update in the review area, as well as the total rating.
 - Ensure the system will not allow you to post a second review on the item, or review an item without logging in.
 - Click on the owner's name, and ensure you are routed to the owner's profile
 - Navbar
 - If not logged in, observe "Sign in" or "Sign up" options in navbar
 - Sign in with an existing account

- Observe that “Sign in” and “Sign up” options have been replaced with your username and a dropdown menu
- Observe “Profile”, “Edit Profile”, “Post”, and “Sign Out” options in the dropdown menu
- Observe that each option routes to the appropriate page
- Observe that the “Sign Out” option logs you out and returns you to homepage
- Create a new account using “Sign Up” and ensure you can log in to your new account
- Profile
 - Log in, and navigate to your own profile
 - Observe your own items in the “items” list
 - Click on an item, and observe that it routes you to the edit item form
 - Click on the bio tab, and observe that it displays your bio
 - Click on the contact tab, and observe that it displays your profile information
 - Click on the reservations tab, and observe that it displays any reservations you have made
 - Navigate to another user’s profile, and observe that the items now route to the item view page
- Edit Profile
 - Log in, and navigate to the edit profile form
 - Observe that your current profile information has loaded from the database
 - Edit each field, and update your profile information
 - Navigate to your profile and observe the changes
- Post Item
 - Log in, and navigate to the post item page
 - Fill in all appropriate fields, and post the item
 - Return to your profile, and observe that the item has appeared in your items list
- Edit Item
 - Navigate to the edit item page
 - Observe current data load from database
 - Change each field, and submit the form, and reload the page, observing that your changes have been processed
 - Delete your images, and observe that the system will not allow you to have less than one image
 - Change accounts, and make a reservation on your item
 - Return to original account, and observe the reservation appears in the “Reservations” section
 - Use the “Reject” button to cancel the reservation, and observe that the reservation no longer appears on the other user’s account

