

Hackathon Day 5

Testing and Backend Refinement Report

Objective

The primary objective of Day 5 is to ensure the functionality, usability, and responsiveness of the marketplace's frontend components. This includes:

1. Functionality Testing:

- Validate all core features such as navigation, search, filtering, and product display.
- Ensure seamless user interactions across the interface.

2. Error Handling:

- Identify and resolve potential issues with invalid inputs, API failures, and unexpected user behaviors.
- Provide clear feedback to users for errors or loading states.

3. Performance Optimization:

- Test the responsiveness of the marketplace across various devices and screen sizes.
- Optimize layouts, animations, and load times for a smooth user experience.

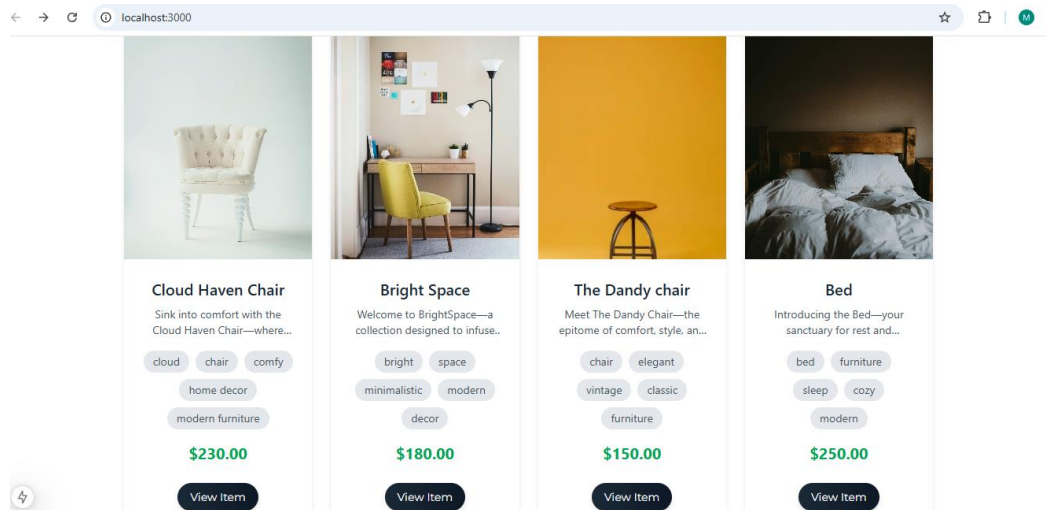
Overview

This report summarizes the testing activities conducted on the furniture e-commerce platform, focusing on various functionalities and performance aspects. The tests were executed to ensure the platform operates smoothly and meets user expectations.

Test Cases Summary

Test Case ID: TC001

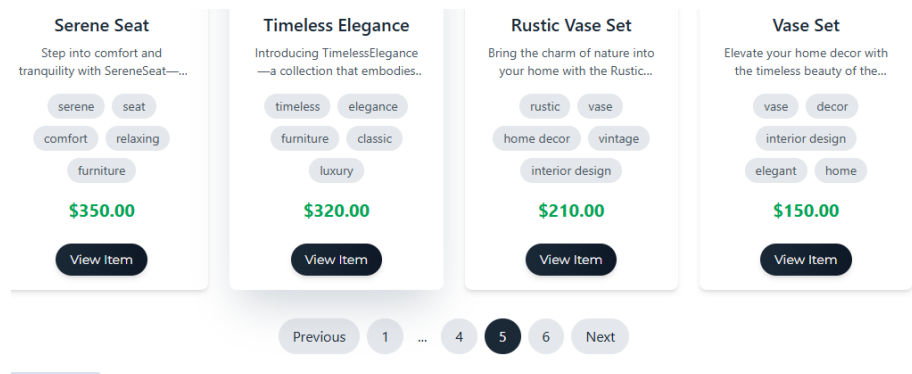
- **Description:** Validate Product Listing Page
- **Test Steps:**
 - Open homepage
 - Navigate to Shop section
 - Verify product
- **Expected Result:** Products Display Successfully
- **Actual Result:** Products Display Successfully
- **Severity Level:** Low
- **Assigned To:** --
- **Remarks:** No Issue Found



Test Case ID: TC002

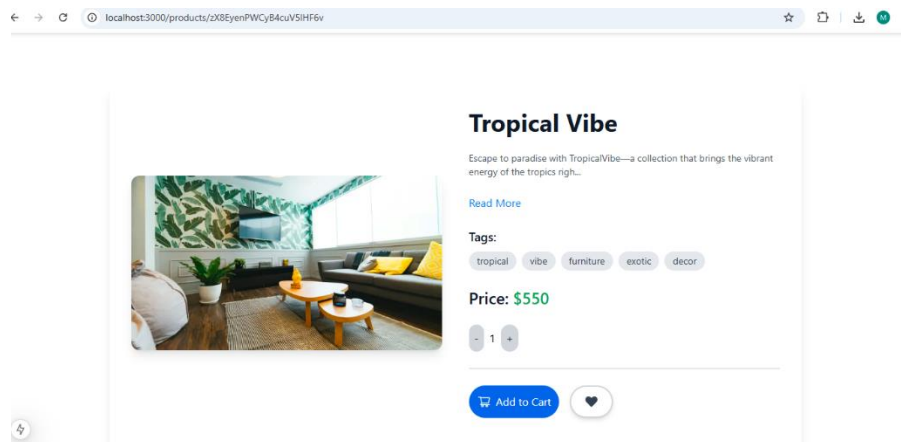
- **Description:** Product Listing Pagination
- **Test Steps:**
 - Navigate to the marketplace product listing page.
 - Verify the presence of pagination controls (Next, Previous, and page numbers).
 - Click on a page number (e.g., page 2).
 - Verify that the products on page 2 are displayed and different from page 1.
 - Click on the "Next" button to go to the next page.

- Click on the "Previous" button to go back to the previous page.
- Test navigation from the first to the last page (if applicable).
- Verify that pagination works correctly when there are no products on the next or previous page (e.g., after the last page)
- **Expected Result:** Products Display Successfully
- **Actual Result:** Products Display Successfully
- **Severity Level:** Low
- **Assigned To:** --
- **Remarks:** No Issue Found



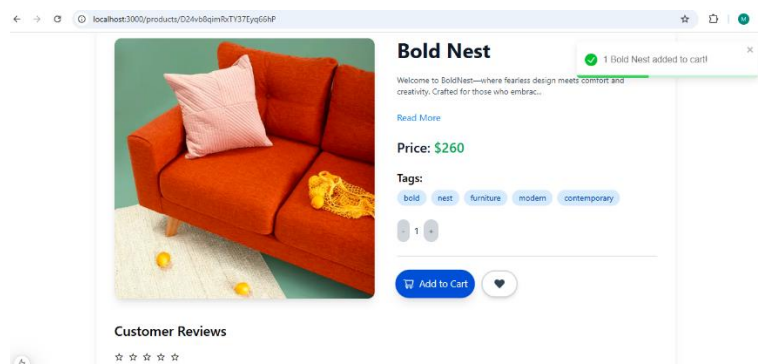
Test Case ID: TC003

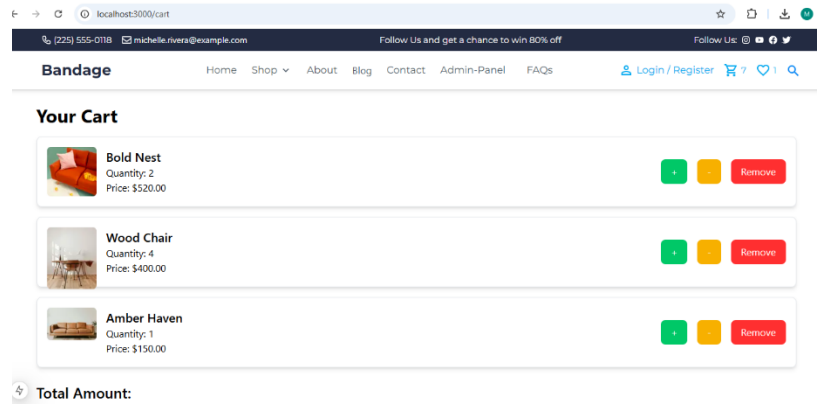
- **Description:** Validate Dynamic Product Detail Pages
- **Test Steps:**
 - Open Product Page
 - Click on any product card
- **Expected Result:** Open Dynamic Product Detail Pages
- **Actual Result:** Open Dynamic Product Detail Pages
- **Severity Level:** Low
- **Assigned To:** --
- **Remarks:** Successfully



Test Case ID: TC004

- **Description:** Check Cart Functionality
- **Test Steps:**
 - Add To Cart
 - Navigate To Cart
- **Expected Result:** Displaying Products On Cart
- **Actual Result:** Displaying Products On Cart
- **Severity Level:** Low
- **Assigned To:** --
- **Remarks:** Successfully

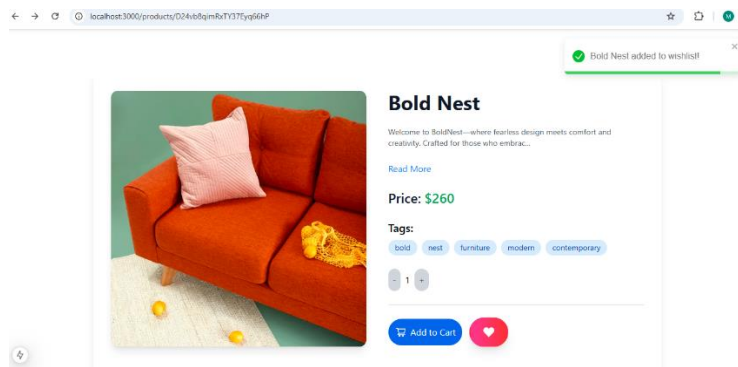


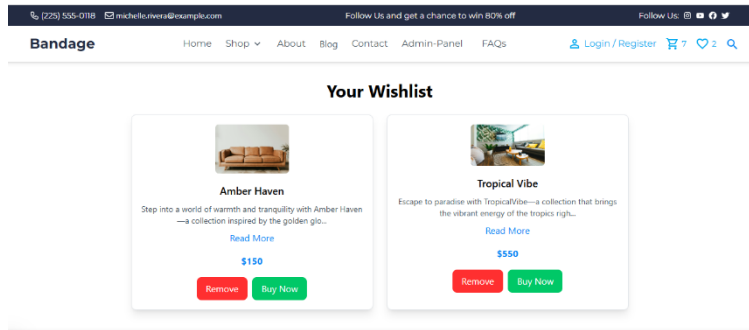


Test Case ID: TC005

- **Description:** Check Wish List Functionality
- **Test Steps:**
 - Add To Wish List
 - Navigate Wish List
- **Expected Result:** Displaying Products On Wish List
- **Actual Result:** Displaying Products On Wish List
- **Severity Level:** Low
- **Assigned To:** --

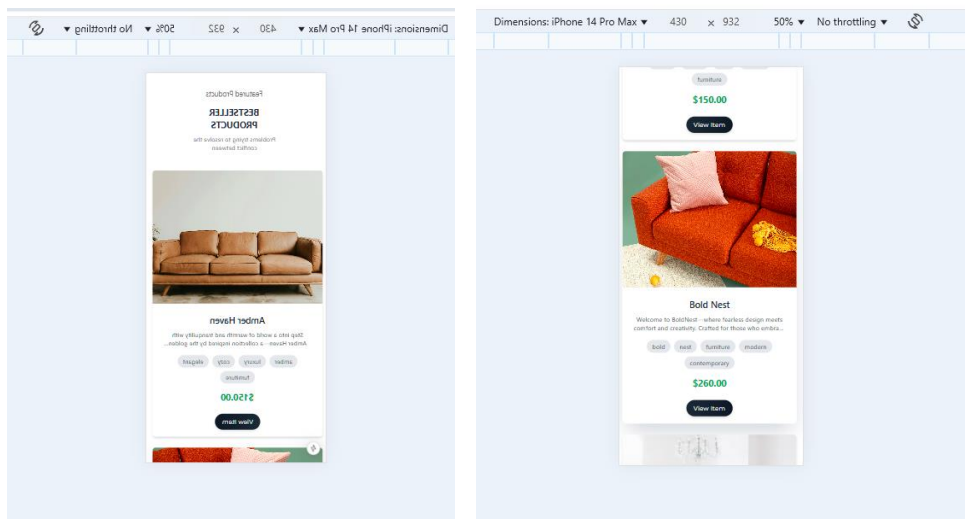
Remarks: Successfully





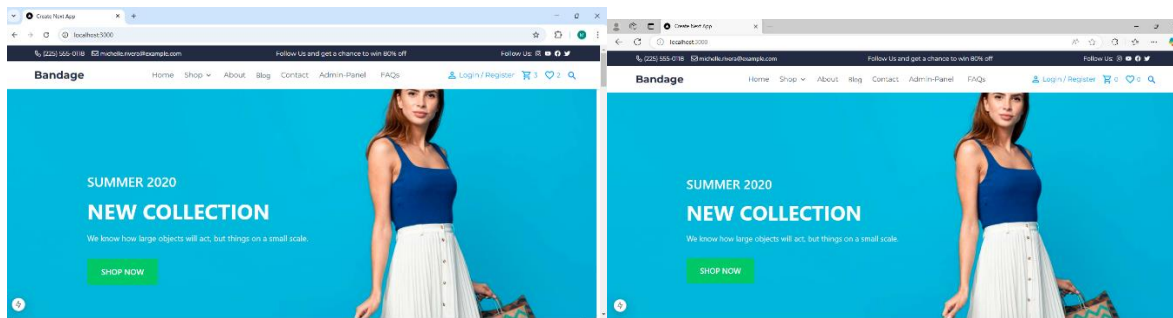
Test Case ID: TC006

- **Description:** Ensure Responsiveness On Mobile
- **Test Steps:**
 - Inspect
 - Device Toolbar
 - Select Mobile Device
- **Expected Result:** Showing Content according to the device
- **Actual Result:** Showing Content according to the device
- **Severity Level:** Medium
- **Assigned To:** --
- **Remarks:** Responsive



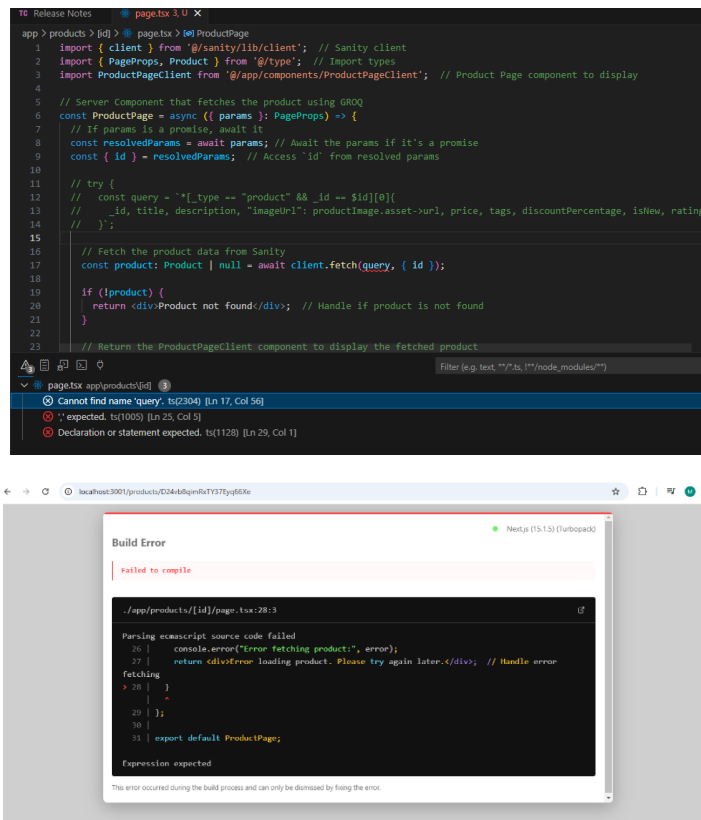
Test Case ID: TC007

- **Description:** Cross Browsing
- **Test Steps:**
 - Open our website on different Browsers
- **Expected Result:** Working Correctly on every browser
- **Actual Result:** Working Correctly on every browser
- **Severity Level:** Low
- **Assigned To:** --
- **Remarks:** Successfully



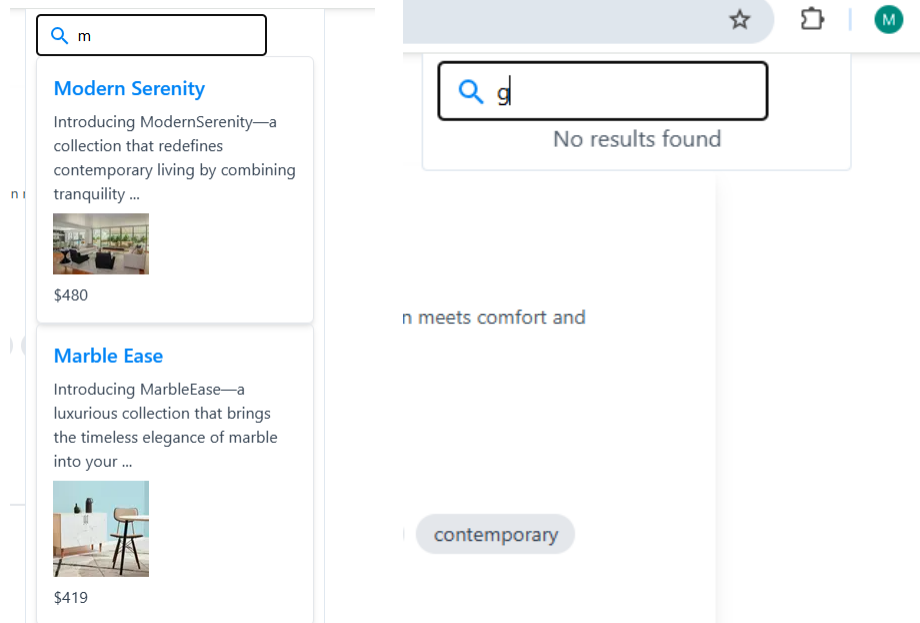
Test Case ID: TC008

- **Description:** Test API Error Handling
- **Test Steps:**
 - Disconnect GROQ Query
 - Refresh Page
- **Expected Result:** Show Error Message on Screen
- **Actual Result:** Show Error Message on Screen
- **Severity Level:** Low
- **Assigned To:** --
- **Remarks:** Handle Gracefully



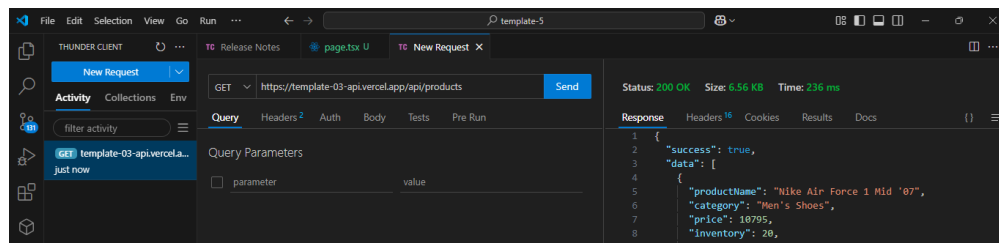
Test Case ID: TC009

- **Description:** Validate Search Bar
- **Test Steps:**
 - Search for items that are not easily found
- **Expected Result:** Enter a valid search query. Check the search results dropdown for accuracy and responsiveness
- **Actual Result:** Enter a valid search query. Check the search results dropdown for accuracy and responsiveness
- **Severity Level:** Low
- **Assigned To:** --
- **Remarks:** Successfully



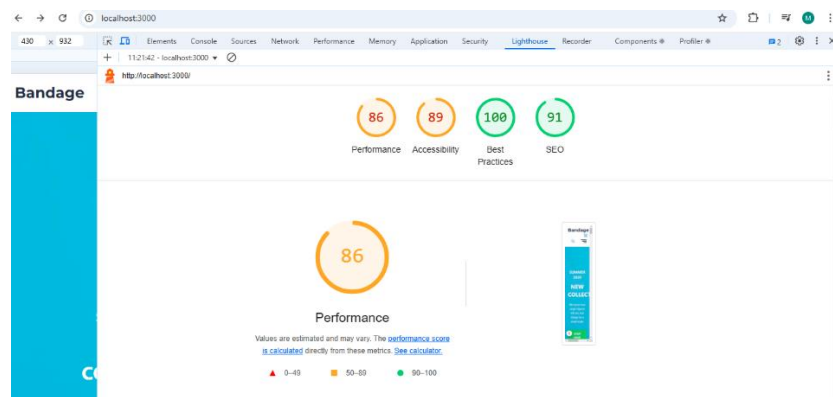
Test Case ID: TC0010

- **Description:** API Testing
- **Test Steps:** Open Postman or Thunder Client to check the status of an API
- **Expected Result:** Status: 200 OK
- **Actual Result:** Status: 200 OK
- **Severity Level:** Low
- **Assigned To:** --
- **Remarks:** Successfully



Performance Optimization Steps Taken

- Final Checklist:
 - Functional Testing: ✓
 - Error Handling: ✓
 - Performance Optimization: ✓
 - Cross-Browser and Devices Test: ✓
 - Security Testing: ✓
 - Documentation: ✓



4. Conclusion

The testing phase has successfully identified areas of improvement, particularly in the search functionality. Overall, the platform is functioning well with minor issues that need addressing. Further testing and refinements will enhance user experience and system reliability.