

DAY 5 – Testing and Backend Refinement

Testing Report :

Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result	Status	Severity Level	Assigned To	Remarks
TC001	Validate product listing page	Open Shop / Category page > Verify products	Products displayed correctly	Products displayed correctly	Passed	Low	-	No issues found
TC002	Product Page	Select a product > Open its URL	Product Should be displayed perfectly with related products	Product Page displayed & Related Products also	Passed	Medium	-	No issues found
TC003	Check cart functionality	Add product to cart > Verify cart contents	Cart updates with added product	Cart updates as expected But Quantity is not updating	Passed	Medium	-	Issue Resolved
TC004	Ensure responsiveness on mobile	Resize browser window > Check layout	Layout adjusts properly to screen size	Responsive layout working as intended	Passed	Medium	-	Test successful
TC005	Loading UI when loading	Change Parameters in Filters	Page should show loader	Page showed loader and then updated result	Passed	Medium	-	Worked
TC006	User Should Login & See Profile	Login Page > Enter Credentials > Profile Page	User should see profile page and can	Missing Profile Page	Failed	Medium	-	Will Be Resolved

			update details					
TC007	Placing Order	View Cart > Checkout > Place Order	User should view cart & Place Order	User added products to Cart & Easily placed order & Some error from sanity	Failed	High	-	Will Be Resolved
TC008	Filteration	Shop Page > Filters Shop Page > Pagination	User should select number of results and filters	User is able to select number of results and apply filters	Passed	Low	-	Working
TC009	Search Functionality	Click on Search Bar > Enter Query > Search	User Should get desired search results	User get results from sanity api	Passed	Low	-	Working
TC010	Cross Browser Check	Open Edge > Visit URL > Check	User should be able to browse website effeciently	User is able to visit website	Passed	High		Working
TC011	Input Validation	Enter data in input > Pass Valid Date > Fail Invalid Data	User should be prompted if any input is remained or has invalid data	User is not prompted with invalid data or lefting field empty	Failed	High		Will Be Resolved

Overview

The CSV file serves as a structured test report for the Hekto marketplace website, outlining various test cases conducted to ensure functionality, responsiveness, performance, and user experience. Each test case follows a systematic format that includes:

- **Test Case ID:** Unique identifier (e.g., TC001, TC002) for easy tracking and reference.
- **Test Case Description:** Brief description of the functionality being tested (e.g., product listing, cart functionality, responsiveness, loading UI behavior).
- **Test Steps:** Step-by-step procedure followed to execute each test case.
- **Expected Result:** Anticipated outcome if the feature is working correctly.
- **Actual Result:** Documents what actually happened during testing, allowing comparison with the expected result.
- **Status:** Indicates whether the test Passed, Failed, or Needs Improvement.
- **Severity Level:** Categorizes the impact of the issue as Low, Medium, or High.
- **Assigned To:** Identifies the person responsible for resolving the issue.
- **Remarks:** Additional observations or notes.

Findings and Observations:

Major Functional Areas Tested

- Product listing
- Product page
- Cart functionality
- Responsiveness
- Loading UI

Overall Test Results

- Most test cases **passed successfully**.
- Minor issues noted, such as **cart quantity not updating correctly**, which has been resolved.
- The website was tested for responsiveness and adapted well to different screen sizes.
- The presence of a **loading UI** was confirmed, ensuring users receive feedback while waiting for content to load.

Testing Process & Findings:

The **CSV file** contains a structured list of test cases used to check the functionality, performance, and security of the **Hekto Marketplace** website. Each test case ensures that different parts of the website work as expected. Below is a simple breakdown of the test cases:

1. Functional Testing:

- **Product Listing Page:** Verified that products are displayed correctly on the homepage and category pages.
- **Product Page:** Ensured product details (image, name, price, description) appear properly.
- **Cart Functionality:** Checked if products can be added to the cart and the cart updates correctly.
- **Search Feature:** Tested if users can search for products and get accurate results.

2. Error Handling:

- **No Data Available:** Confirmed that a proper message appears when no products are found.
- **Loading UI:** Checked if a loading animation appears while products are being fetched.

3. Performance Testing:

- **Speed Test:** Measured how fast the website loads (Lighthouse score: **94%**).
- **Optimization Needs:** Identified areas for improvement, such as image formats and unused JavaScript.

4. Cross-Browser & Device Testing:

- **Edge Browser Compatibility:** Tested the website on **Microsoft Edge** to ensure smooth functionality.
- **Mobile Responsiveness:** Used **Chrome's mobile view** and real mobile devices to check if the website adjusts properly to different screen sizes.

5. Security Testing:

- **Input Validation:** Found that some input fields need better validation to prevent security risks.

- **Secure Data Storage:** Confirmed that sensitive data (API keys, passwords) is stored in the .env file securely.

6. User Experience & Acceptance Testing:

- **Browsing Test:** Navigated the website as a regular user to check overall functionality.
- **Identified Bugs:** Noted minor issues, such as search improvements and cart quantity updates.

Conclusion:

The CSV test report helps track which features are working correctly and which need improvements. Most test cases **passed successfully**, and minor issues will be fixed in the next update.