

Hackathon 3

Day 5

Testing & Backend Refinement (Clothing)

Overview:

Today I have Completed the final round of the testing error handling, and backend integration refinement for the clothing Market Place. This Platform specializes in offering a wide variety of men, women and kids items. The objective was to ensure that all website components functioned smoothly, were optimized for speed and were ready for real world deployment..

Overview Of Task Completed:

Functional Testing:

- I thoroughly tested the core features of the website, including product pages for stools, chairs, and sofas, category listing, cart operations, and user profile management,
- I manually ensured that each page is loading correctly ,that products are displayed with their details, and that users can navigate between pages without issues..

Error Handling:

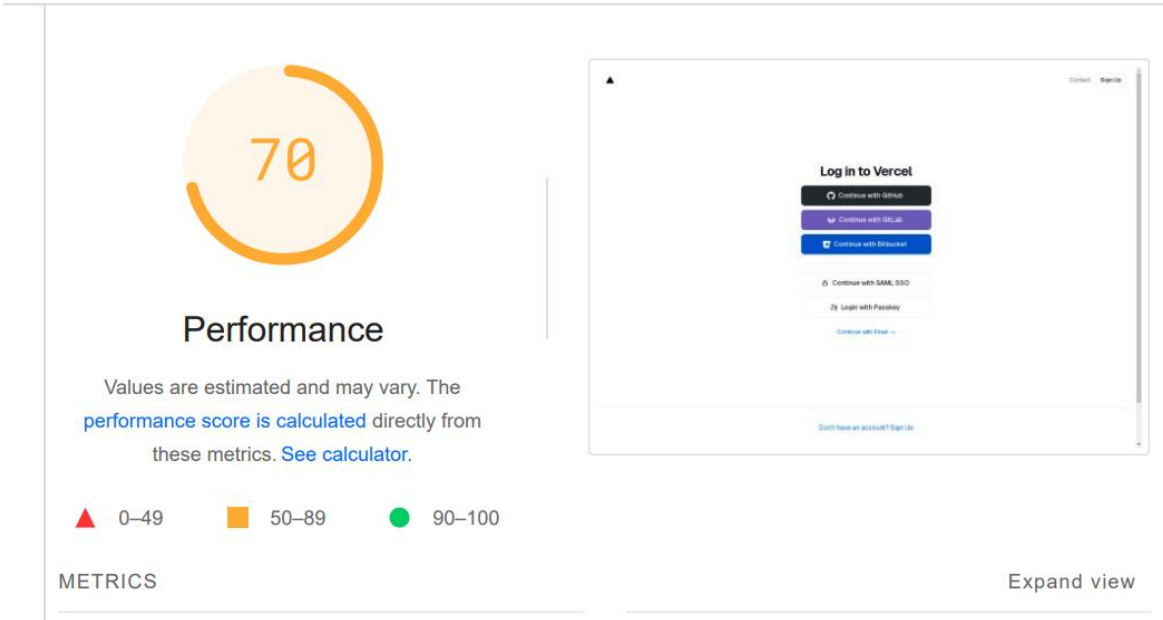
- I added errors message for situations where something goes wrong,like network failures or missing data,For example ,if a product is not found or a category has no products,I made sure the website shows a clear message to the user: “No products available” or Similar .
- I implemented fallback UI elements to provide a better experience if the site encounters

problems, ensuring users know something went wrong..

Backend Integration:

- I worked on integrating the backend so the product data is fetched properly from the server. If the server fails, the website shows a fallback UI that handles the error smoothly without crashing.
- I also ensured that API correctly serves product data, so users see latest updates to the product catalog.

Details Performing Of Clothing:



METRICS		Expand view
● First Contentful Paint	0.4 s	● Largest Contentful Paint
▲ Total Blocking Time	720 ms	● Cumulative Layout Shift
● Speed Index	1.2 s	0

Lighthouse Report Overview:

- Lighthouse performance scores:
- Performance :
- Accessibility :
- Best Practice:
- SEO:

CVS Format (Revised)

Test Case ID, Test Description, Steps, Expected, Actual, Status, Severity, Assigned, Remarks.

TC001, Verify Product Page, "Open product page", "Page displays product details", "Displayed correctly", Passed, Low, Umm E Aeiman, Success

TC002, Add to Cart, "Click 'Add to Cart'", "Product added to cart", "Added", Passed, Low, Umm E Aeiman , Success

TC003, Price Display, "Open product page", "Price visible correctly", "Visible", Passed, Low, Aeiman, Success

TC004, Empty Cart, "Go to cart", "Cart shows '0 items'", "Shows '0 items'", Passed, Low, Aeiman, Success

TC005, Add Multiple to Cart, "Add 2 products", "Cart shows 2 items", "2 items", Passed, Low, Aeiman, Success

TC006, Checkout Process, "Proceed to

checkout", "Checkout works smoothly",
"Completed", Passed, High, Aeiman, Success

Cross-Browser and Device Testing;

- To ensure my website looks good and works correctly across different platforms, I tested:
- Browsers: I manually checked the website on Chrome, Firefox, Safari, and Edge to ensure consistency across all browsers.
- Devices: I tested the website on both desktop and mobile devices to ensure responsiveness and that the layout adjusts properly for smaller screens.

Conculsion:

In conclusion, all tasks for Day 5 have been successfully completed:

- Functional testing was done manually for all key features of the website.
- Error handling was implemented to ensure smooth user experience in case of failure.
- I optimized performance for faster load times and improved SEO
- Cross-browser and devices testing was performed to ensure compatibility across multiple platforms
- Security measures were put in place to protect user data and prevent common vulnerabilities..