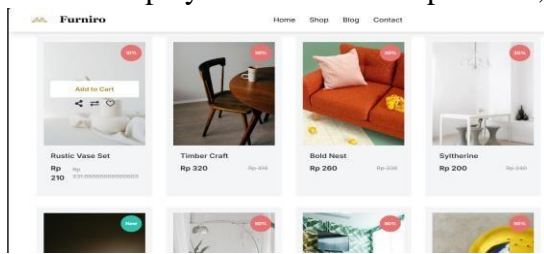# Day 5 - Testing and Backend Refinement - Furniro

Day 5 focuses on preparing Furniro for real-world use by thoroughly testing all backend components, optimizing performance, and ensuring the system is ready to handle user traffic. The key tasks include testing backend integrations, improving error handling, and refining processes to deliver a smooth and reliable user experience.

Functional Deliverables for Furniro:

All functionalities are properly working. I have checked and tested each component, including the product page, product detail page, shopping cart, and checkout, blog page, contact form, and other additional pages. These pages are fully responsive and functioning smoothly across both desktop and small screens.
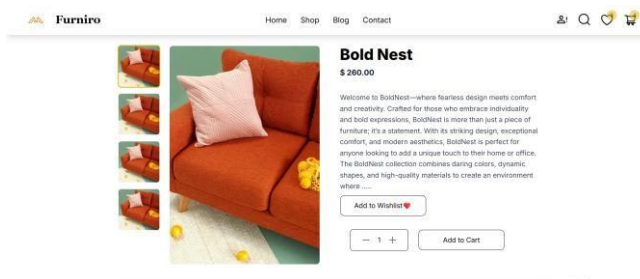
Product Listing Page:

- Displays a list of fetched products, including images, titles, prices, and brief descriptions.
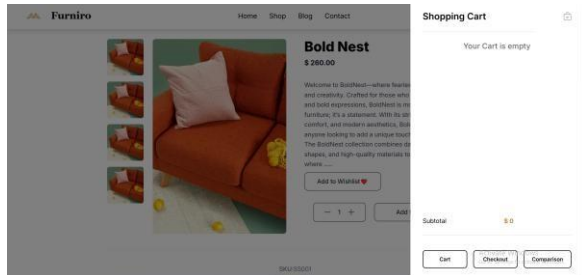

Product Detail Page:

- Displays detailed information about a specific product, including images, description, price, and options such as Add to Cart, Add to Wishlist, and a detailed description, Reviews & Additional Information of the furniture.

By Aleeza

Shopping Cart

- When a user adds items to the cart, the selected furniture items will be displayed with details like image, name, price, and quantity.
- If no items are added, the cart will show a message: **"Your Cart is Empty"**.

Error Messages Set for Furniro:

Product Not Found: Displayed when a product doesn't exist or incorrect URL.

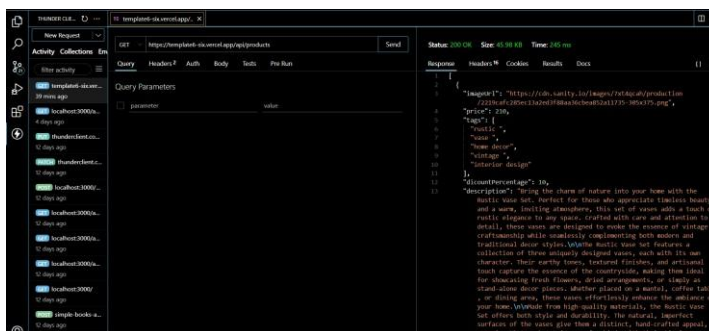**Invalid Input**: When forms are incomplete or incorrect.

Search Error

- Displayed when no results are found for a search query.
- Example: **"No results found for your search"**.

Storing Sensitive Information Securely:

For enhanced security, I store all sensitive information, such as API keys, in a separate .env file.

API Response Testing:

I tested the API endpoint https://template6-six.vercel.app/api/products in Thunder Client, and it worked without any issues, returning a successful response with status code 200.
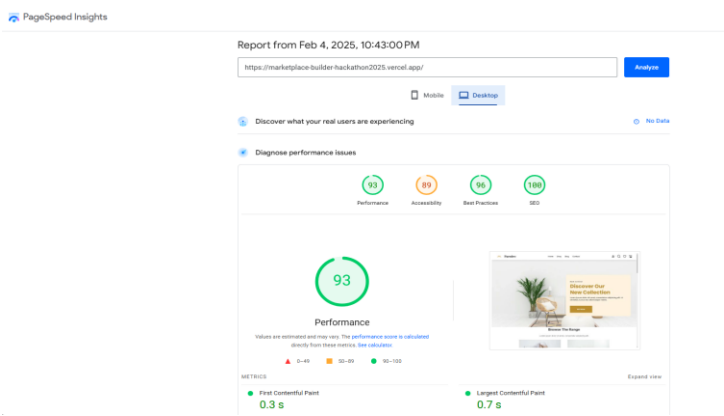

By Aleeza

Performance Testing Report:

I have analyzed the performance of my Funiro website, which provided detailed insights into its performance, accessibility, and overall site quality.

Performance	93
Accessibility	89
Best Practices	96
SEO	100

Testing Report:

	Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result
2	TC001	Verify product listing page	Open product page > Verify product display	Products should be displayed correctly	Products displayed as expected
3	TC002	Test API error handling	Disconnect API > Refresh page	Fallback UI with error message should appear	Error message displayed as expected
4	TC003	Validate cart functionality	Add product to cart > Verify cart content	Cart should update with the newly added product	Cart updated correctly as expected
5	TC004	Test mobile responsiveness	Resize browser window > Check layout	Layout should adjust to fit different screen sizes	Layout adjusted correctly and remained responsive
6	TC005	Test search bar functionality	Enter a search query > Verify search results	Search results should match the query	Search results matched query
7	TC006	Test add to cart functionality	Add product to cart > Verify cart content	Cart should update with the newly added product	Cart updated with correct product
8	TC007	Test add to wishlist functionality	Add product to wishlist > Verify wishlist content	Wishlist should update with the added product	Wishlist updated with correct product
9	TC008	Test review product functionality	Select product > Click on review section > Submit a review	Review should be submitted successfully and displayed on the product page	Review submitted successfully and displayed as exp
10	TC009	Test related product functionality	Open product page > Verify related products section	Related products should be displayed correctly and match product category	Related products displayed as expected

By Aleeza