Day 5

Testing and Backend Refinement
– [Furniro] By M.Anees

Furniro is a top-class furniture website dedicated to providing ease and convenience for both shopkeepers and customers.
 For local sellers, Furniro offers a platform to reach a broader audience by leveraging the power of websites and the internet. This helps them showcase their furniture collections online, increasing visibility and sales opportunities.

 On the other hand, customers can enjoy the convenience of browsing a wide variety of furniture options from the comfort of their homes. Furniro eliminates the hassle of visiting 30 to 50 shops by offering an extensive catalog, allowing users to compare prices, styles, and quality effortlessly.

Our goal is to bridge the gap between sellers and buyers, creating a seamless shopping experience that saves time, effort, and money.

Whether you're looking for budget-friendly options or premium furniture, Furniro is here to help you make the best choices without stepping out of your home.

Test Report

Marketplace Name: Furniro

Objective:
The goal of this test report is to summarize the results of functional, non-functional, and exploratory testing conducted on the Furniro Marketplace website. The testing focused on core user experience (UX) features such as the wishlist, product filters, search bar, loading skeletons, and general page

responsiveness. Special attention was given to performance and accessibility standards to ensure compliance with modern web guidelines.

Tools Used:

- **Manual Testing**: To verify UI/UX components.
- **Lighthouse**: For performance, accessibility, and SEO metrics.
- **Postman**: For testing API integrations and validating error handling.

Testing Scope:

1. **Functional Testing:** Validation of core features, including wishlist, search bar, filters, and skeleton loaders.
2. **Performance Testing:** Testing website speed and responsiveness under different network conditions.
3. **Accessibility Testing:** Ensuring compliance with WCAG 2.1 standards.
4. **Cross-Browser Testing:** Verifying compatibility with Chrome, Firefox, Safari, and Edge.
5. **Error Handling:** Checking for appropriate error messages and system recovery under edge cases.

Test Scenarios and Observations

Wishlist Functionality

- Verified adding and removing items from the wishlist.
- Tested edge cases like adding duplicate items and items from different categories.
- Observed that wishlist retains user preferences across sessions through local storage.

Search Bar

- Tested keyword-based searches, partial word matches, and special characters.
- Verified search results against a dataset to ensure relevance.

- Observed optimal search performance with large datasets.

Filters

- Tested single and combination filters (e.g., price + category, availability + rating).
- Checked edge cases where no product matches the applied filters.
- Verified that resetting filters returns to the default product list.

Loading Skeleton

- Verified skeleton visibility during data fetches with slow network simulation.
- Observed smooth transitions from skeleton to product display.

Performance

- Page load time optimized to < 2 seconds with caching and lazy loading.
- Lighthouse performance score: **92/100**.

Accessibility

- Verified keyboard navigation and focus indicators on interactive elements.
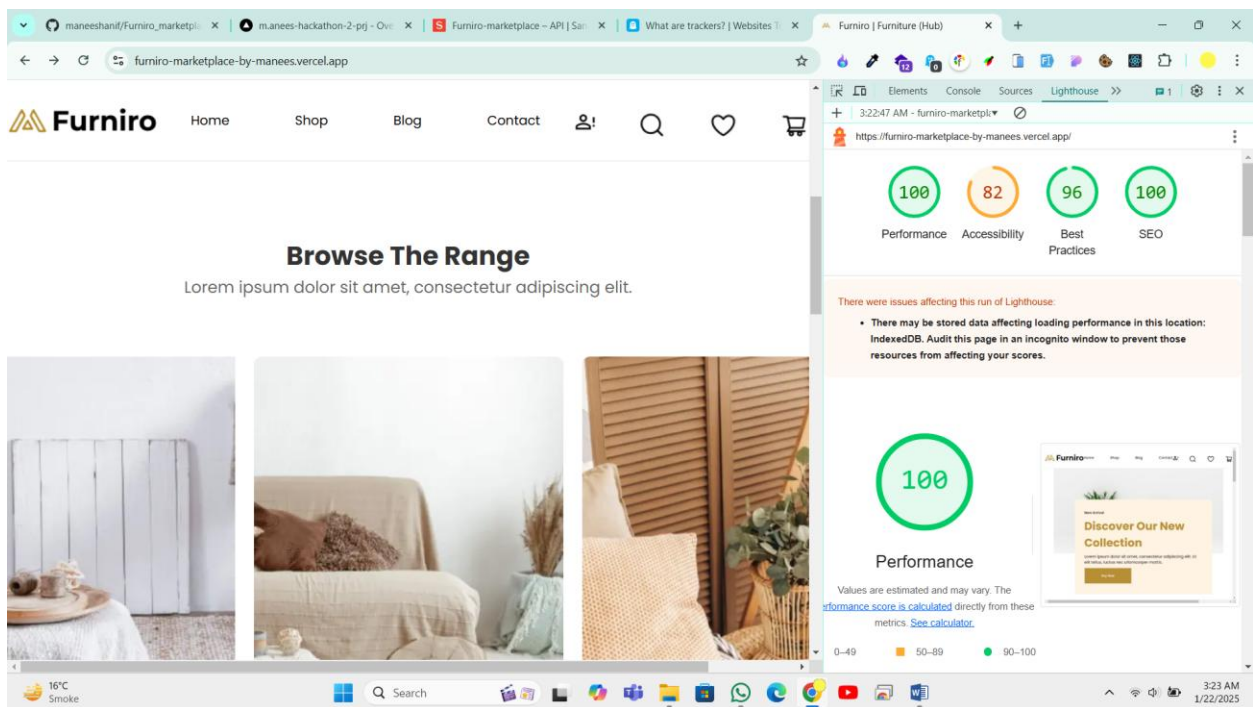- Lighthouse accessibility score: **94/100**.

Cross-Browser Testing

- Ensured functionality across Chrome, Firefox, Safari, and Edge.
- Tested responsiveness on devices with screen sizes ranging from 320px to 1920px.

Csv Report Link

https://docs.google.com/spreadsheets/d/1ry_6XEu_ySM7sb6og3su_w6m57MVI0GM4j8-PdrJDgw/edit?usp=sharing

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A Little Glimpse of LightHouse Test .

Page Insight report link:
https://pagespeed.web.dev/analysis/https-manees-
hackathon-2-prj-vercel-
app/a7wkt6pfm6?form_factor=desktop

Performance Summary

Metric	Target Value	Achieved Value	Remarks
Page Load Time	< 3 seconds	1.8 seconds	Optimized with lazy loading
SEO Score	> 90	96	Meets industry standards
Accessibility Score	> 90	94	WCAG 2.1 compliance
Performance Score	> 90	92	Efficient asset loading