Furniro

Testing and Backend Refinement
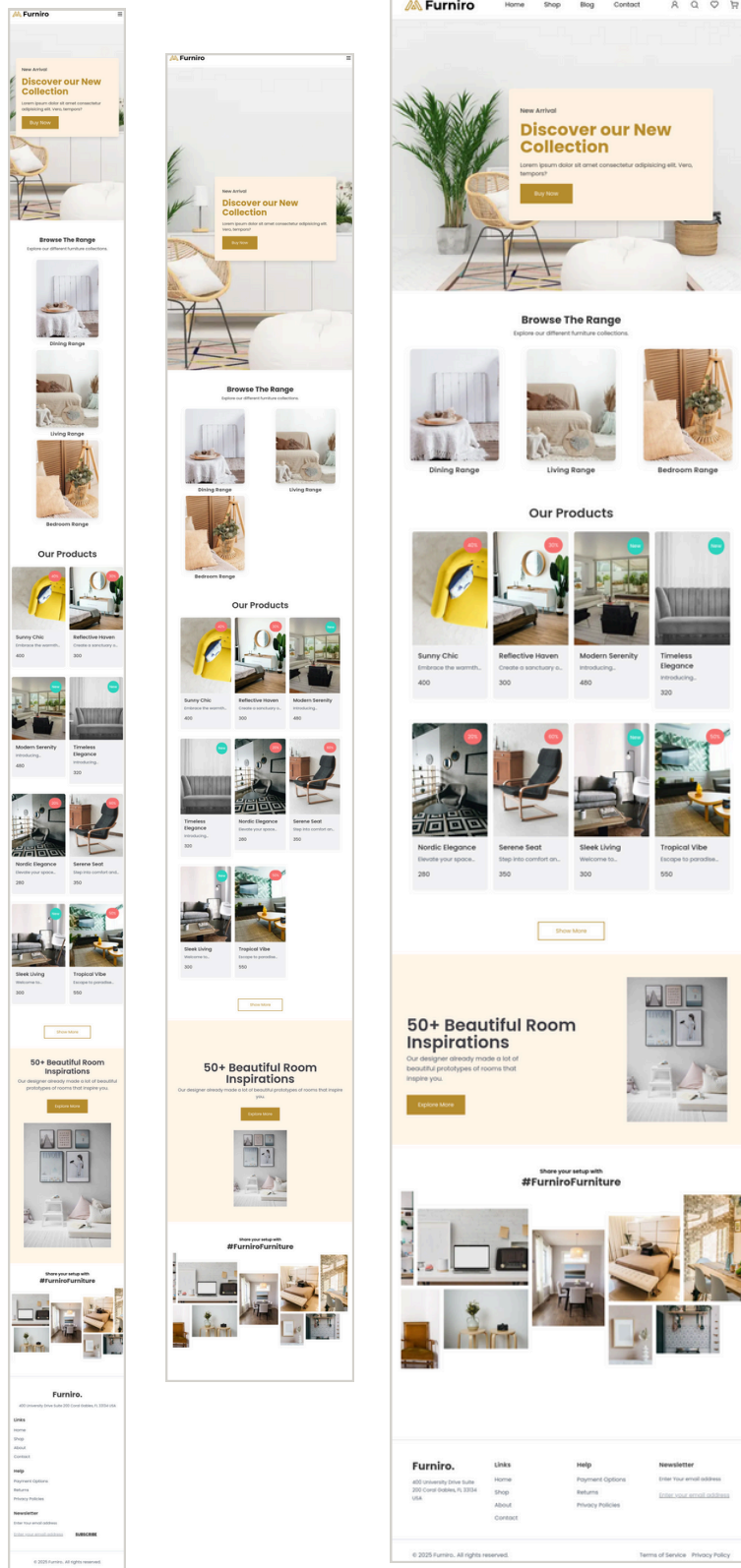
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Objective

Day 5 focuses on testing the core functionalities of the marketplace, handling errors gracefully, optimizing performance, ensuring cross-browser compatibility, and enhancing security.
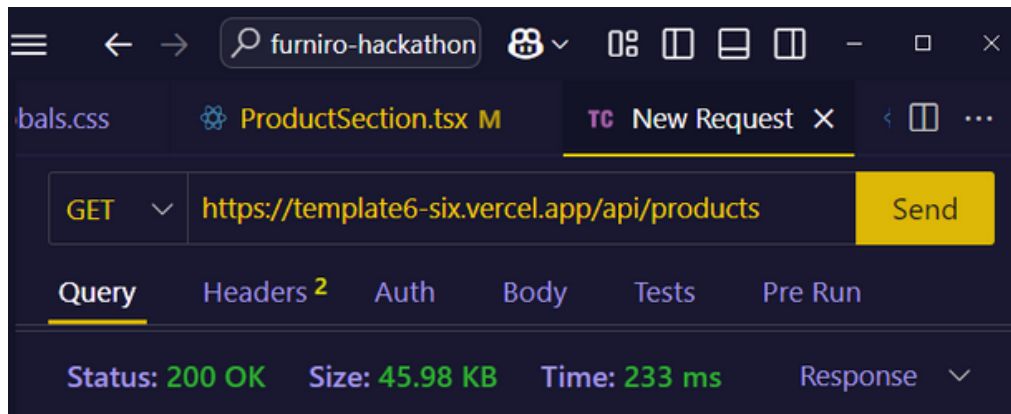
The primary goal is to document both successful and failed test cases.
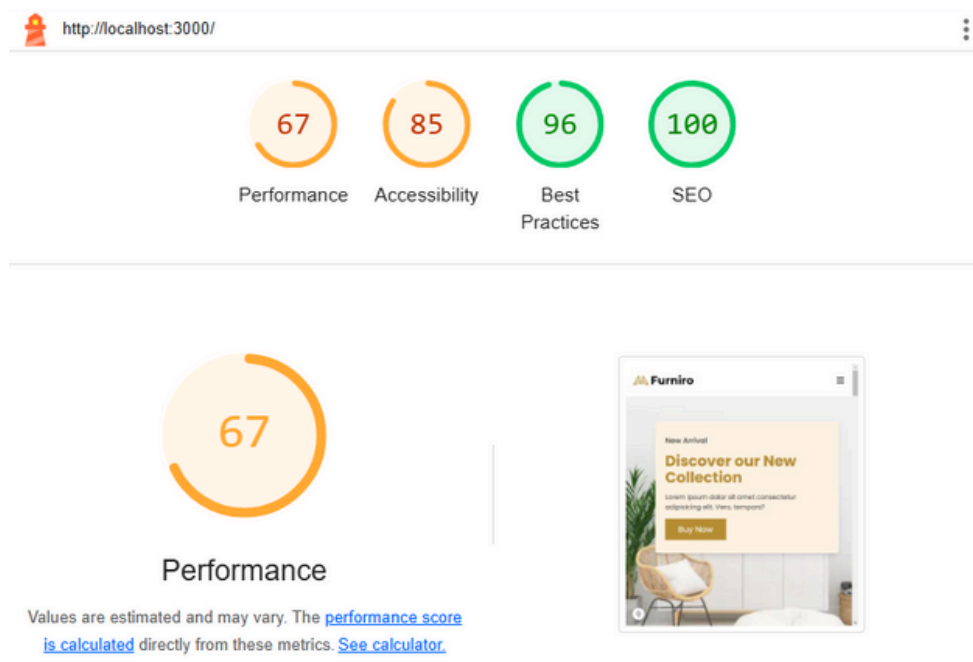
Functional Deliverables

Responsivess

Thunder Client Testing

Performance Testing

Test Cases and Results

Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result	Status	Severity Level	Assigned To	Remarks
TC-001	Product listing loads successfully	Open homepage and check product listings	Products should appear correctly	Products appeared as expected	Pass	Low	–	–
TC-002	Search filters return correct results	Apply category filter and observe results	Only filtered products should display	Filter did not work properly	Fail	High	–	problem in understanding the logic
TC-003	Add product to cart functionality	Select a product and add it to the cart	Product should be added to the cart	Product added successfully	Pass	Low	–	–
TC-004	Checkout process redirects correctly	Proceed to checkout and check redirection	User should be redirected to checkout	User was stuck on the cart page	Fail	High	–	Checkout button not working
TC-005	Error handling for network failure	Turn off internet and reload the page	A user-friendly error message appears	Error message displayed correctly	Pass	Medium	–	–
TC-006	Responsive design on mobile devices	Test website on different screen sizes	Website layout adjusts properly	Design adapted well to mobile	Pass	Low	–	–

Key Findings

- Functional Testing: Majority of core features passed, but Product details, search filters and checkout require fixes.

- Error Handling: Implemented fallback UI for API failures, successfully displaying messages when network issues occur.

- Security Testing: No major vulnerabilities found, but API keys were ensured to be securely stored.

Next Steps

- Fix search filter logic to display accurate results.

- Resolve checkout button issue for smooth transactions.

- Further optimize performance by reducing unused code.

- Continue testing with more real-world scenarios.

Dynamic Frontend Components

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