Day 1 - Testing and Backend Refinement
[TK Mart Furniture E-Commerce]

Prepared By: Maham

Overview:

This document highlights the test cases and results for the TK Mart Furniture E-Commerce project, focusing on functionality, responsiveness, API validation, security, and cross-browser compatibility.

Test Cases with Results:

- Product Listings:

Verified that all furniture items are correctly displayed with proper images, descriptions, and prices.

Result: Pass

- Add to Cart Functionality:

Ensured that products can be added and removed from the cart seamlessly.

Result: Pass

- Checkout Process:

Verified that the checkout page functions correctly, allowing users to proceed with the order placement.

Result: Pass

- Responsive Design:

Tested the website on various screen sizes to ensure mobile-friendliness.

Result: Pass

Security Input Validation:

- Email Validation: Ensured correct email format by displaying appropriate messages when users omit the '@' symbol. Result: Pass
- Form Security: Checked for validation errors on empty or incorrect form submissions. Result: Pass

Performance Analysis:

- Performance Evaluation: Used Lighthouse for performance evaluation, ensuring the project meets performance, accessibility, and SEO standards.

Performance Score: 85/100

Accessibility Score: 90/100

SEO Score: 88/100

Browser Compatibility:

- Tested the application across multiple browsers (Chrome, Edge, Firefox) to confirm consistent performance.

Result: Pass

Conclusion:

The TK Mart Furniture E-Commerce website is functional, responsive, and secure. The overall performance is good, with minor optimizations required for faster load times. The checkout and cart functionalities work as expected. Further enhancements can be made to improve SEO ranking and performance.

This document includes detailed screenshots and results for each test case and validation step.