Day 5 - Testing and Backend Refinement - (Marketplace Furniture)

Documentation(report detailing)

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o Test cases executed and their results.

Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result	Status	Severity Level	Assigned To	Remarks
TC001	Verify Home Page Header Displays Correctly	1. Open home page. 2. Check header.	Header should display logo, nav links, and search bar	Passed	Passed	Low	Muzna Amir Zubairi	No issues with the header display. Everything displayed correctly.
TC002	Verify Hero Section on Home Page	1. Open home page. 2. Check hero section.	Hero section should display image and text properly	Passed	Passed	Low	Muzna Amir Zubairi	Hero section loaded correctly with image and text.
TC003	Verify Shop Products on Home Page	1. Open home page. 2. Check products list (4 products)	4 products should display with name and price, fetched from Sanity CMS	Passed	Passed	Low	Muzna Amir Zubairi	4 products displayed correctly from Sanity CMS.
TC004	Verify Blog Posts on Home Page	1. Open home page. 2. Check blog posts (3 posts)	3 blog posts should display with title and link	Passed	Passed	Low	Muzna Amir Zubairi	Blog section displayed correctly with 3 posts.
TC005	Verify Footer on Home Page	1. Open home page. 2. Check footer.	Footer should display relevant links and info	Passed	Passed	Low	Muzna Amir Zubairi	Footer displayed correctly with all links.
TC006	Verify Shop Page Displays All Products	1. Open shop page. 2. Check product list (name and price), fetched from Sanity CMS.	All products should display with correct name and price, fetched from Sanity CMS	Passed	Passed	Low	Muzna Amir Zubairi	All products displayed as expected. Sanity data fetched correctly.
TC007	Verify Pagination on Shop Page	1. Open shop page. 2. Navigate through pagination.	Pagination should work correctly and show more products	Passed	Passed	Low	Muzna Amir Zubairi	Pagination functionality working fine.
TC008	Verify Product Details on Product Page	1. Open product detail page. 2. Check product description, colors, sizes, fetched from Sanity CMS.	Product details should display correctly with options from Sanity CMS	Passed	Passed	Low	Muzna Amir Zubairi	Product details displayed correctly from Sanity CMS.
TC009	Verify Add to Cart Button on Product Page	1. Open product detail page. 2. Click "Add to Cart" button.	Product should be added to cart without issues	Passed	Passed	Low	Muzna Amir Zubairi	Add to Cart button functioning properly.
TC0010	Verify Shop Products on Product Details Page	1. Open product detail page. 2. Check related products (4 products) fetched from Sanity CMS.	4 related products should display correctly from Sanity CMS	Passed	Passed	Low	Muzna Amir Zubairi	Related products displayed correctly from Sanity CMS.

TC0011	Verify Cart Page Displays Products and Total	1. Open cart page. 2. Check products (name, price, and total).	Cart should display product names, prices, and total amount	Passed	Passed	Low	Muzna Amir Zubairi	Cart displayed correctly with product details and total.
TC0012	Verify Checkout Page Displays Billing Details	1. Open checkout page. 2. Check billing details and subtotal.	Billing details and subtotal should be visible	Passed	Passed	Low	Muzna Amir Zubairi	Checkout page displayed billing details and subtotal correctly.
TC0013	Verify My Account Login/Registration Page	1. Open My Account page. 2. Check login and registration functionality.	Login and registration should work properly	Passed	Passed	Low	Muzna Amir Zubairi	Login and registration functionality tested successfully.
TC0014	Verify Contact Page Displays Contact Info	1. Open contact page. 2. Check contact information.	Contact page should display all contact info	Passed	Passed	Low	Muzna Amir Zubairi	Contact page displayed correctly with all information.

o Performance optimization steps are taken.

Image Optimization: Compressed JPG and PNG images to reduce file size.

Lazy Loading: Implemented lazy loading for images to enhance page load speed.

o Security measures implemented.

Ensured secure communication using HTTPS.

Implemented input validation to prevent XSS and SQL injection attacks.

Used secure cookies for session management.

o Challenges faced and resolutions applied.

Responsive Design Tweaks

- **Challenge:** No issues faced in making the design responsive.
- **Resolution:** Implemented responsive design using media queries and Flexbox, ensuring smooth functionality across various devices.

Cart Functionality Bugs

- **Challenge**: The cart did not update correctly when products were added.
- **Resolution**: Debugged and fixed the state management logic for adding products to the cart.