

E-commerce Website Testing Report

Project Overview:

- **Project Name:** Style & Decor
- **Date:** Feb 4, 2025
- **Student Name:** Sultan Ahmed
- **Summary:**
This report presents a detailed overview of the test cases executed on the e-commerce website. It covers the functionalities tested, their respective outcomes (success or failure), and the challenges encountered along with the corresponding resolutions implemented to address those issues.

Test Cases:

Test Case ID	Description	Status	Problems Faced	Resolution
1	Dynamic Product Display from Sanity after Vercel deployment	✓ Success	Products initially not displaying after deployment.	Issue identified and resolved. Incorrect API endpoint configuration in production fixed by updating environment variables.
2	Search bar functionality - product search and display	✓ Success	Products searchable, but search button not functioning.	Issue identified and resolved. Missing event handler added to the search button.
3	"Add to Cart" button functionality on dynamic product pages	✓ Success	Amounts added to cart resulting in "NaN" values.	Issue identified and resolved. Quantity converted to a number before calculations.
4	Mobile Responsiveness - overall layout and functionality	✗ Failed	Empty spaces appearing due to excessive top bar length, causing main page unresponsiveness.	Partial progress made. Top bar height reduced using CSS media queries. Further refactoring of the top bar component needed for a more responsive layout.

Detailed Test Case Descriptions and Results

1. Dynamic Product Display from Sanity

- **Description:**
This test case verifies that products stored in the Sanity CMS are correctly fetched and displayed on the website after deployment to Vercel.
 - **Test Steps:**
 1. Deploy the website to Vercel.
 2. Navigate to the product display page.
 3. Check if the products from Sanity are displayed correctly with their details (name, image, price, etc.).
 - **Result:** ✓ Success.
Initially, products were not displayed after deployment due to an incorrect API endpoint configuration in the production environment. The issue was identified and resolved by updating the environment variables with the correct API URL.
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2. Search Bar Functionality

- **Description:**
This test case ensures the proper functionality of the search bar, allowing users to search for products and view relevant results.
- **Test Steps:**
 1. Enter a product name or keyword in the search bar