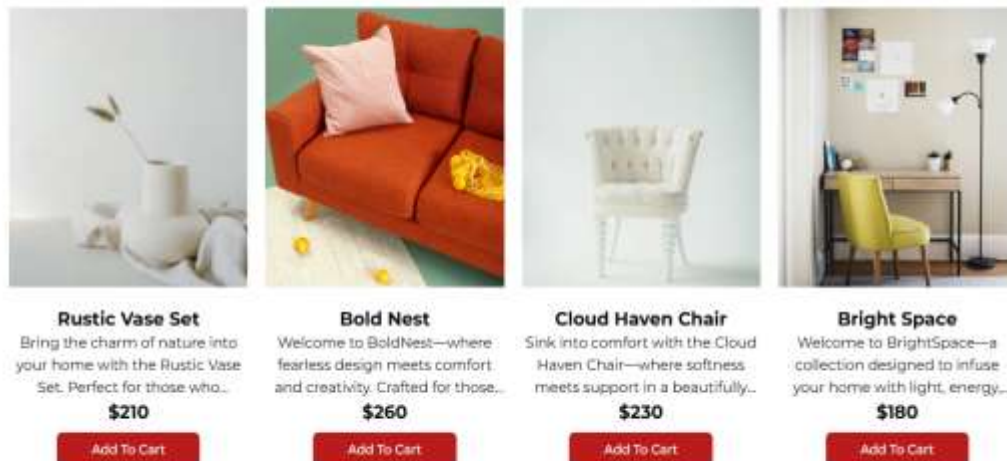


Day 5 Testing And BackEnd Refinement - Bandage

1. TC001: Validate Product Listing Page

Explanation:

- **Test Steps:** Opened the Products Page and verified if product prices, images, and descriptions were displayed correctly.
- **Expected Result:** Product prices, images, and descriptions should be displayed accurately.
- **Actual Result:** Products were displayed with correct prices, images, and descriptions.
- **Status:** Passed
- **Severity Level:** Low
- **Remarks:** No errors encountered.











2. TC002: Check Cart Functionality

Explanation:

- **Test Steps:** Added products to the cart and verified if all items were displayed correctly in the cart.
- **Expected Result:** All added products should be displayed correctly in the cart.
- **Actual Result:** Products were added to the cart and displayed correctly.
- **Status:** Passed
- **Severity Level:** Medium

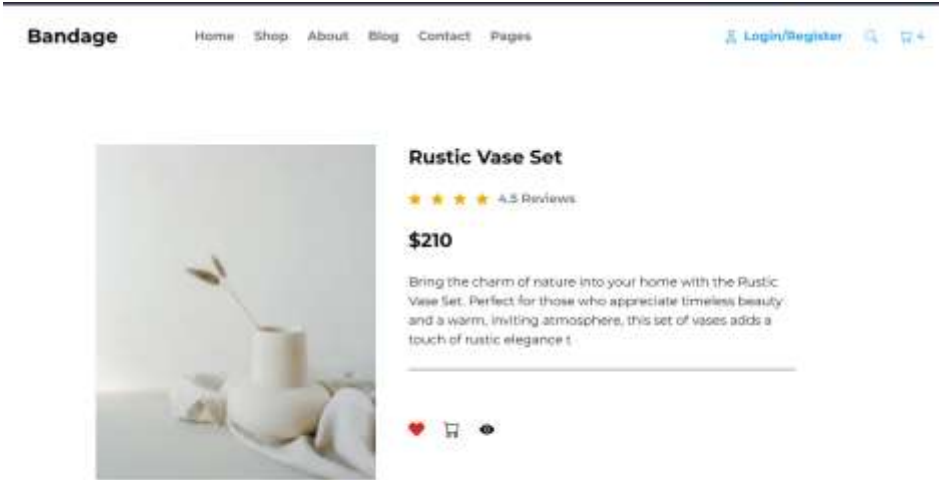
- **Remarks:** Test successful.

Items	Price	Quantity	Total	
 Cloud Haven Chair	\$230.00	- 1 +	\$230.00	
 Wood Chair	\$100.00	- 1 +	\$100.00	
 Bed	\$250.00	- 1 +	\$250.00	
 The Lucky Lamp	\$200.00	- 1 +	\$200.00	

3. TC003: Validate Dynamic Product Details Page

Explanation:

- **Test Steps:** Opened the Product Page and clicked on a product to view its details.
- **Expected Result:** The Product Details Page should open with the specific product's details.
- **Actual Result:** Product details were displayed correctly.
- **Status:** Passed
- **Severity Level:** Medium
- **Remarks:** No issues encountered.



-

4. TC004: Test Search Bar Functionality

Explanation:

- **Test Steps:** Searched for items by their name.
- **Expected Result:** All products matching the keyword should be displayed.
- **Actual Result:** Only products with the matching keyword were displayed.
- **Status:** Passed
- **Severity Level:** Medium
- **Remarks:** Test successful.



Bed

Introducing the Bed—your sanctuary for rest and relaxation, designed with both comfort an...

\$250

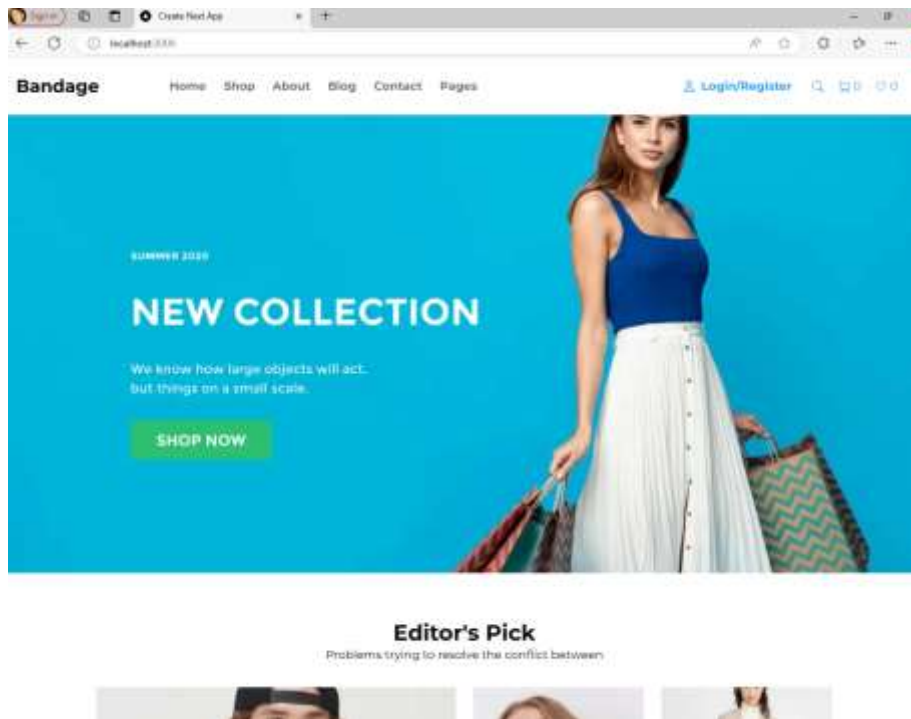
Add To Cart

•

5. TC005: Cross-Browsering and Device Testing

Explanation:

- **Test Steps:** Tested the website on different browsers and devices.
- **Expected Result:** The website should function correctly on all tested browsers and devices.
- **Actual Result:** The website worked correctly on all tested browsers and devices.
- **Status:** Passed
- **Severity Level:** Low
- **Remarks:** Test successful.



6. TC006: Test API Error Handling with Try Catch

Explanation:

- **Test Steps:** Intentionally failed fetching data and checked if the error message was logged.
- **Expected Result:** The error message should be displayed.
- **Actual Result:** The error message was displayed correctly.
- **Status:** Passed
- **Severity Level:** Low
- **Remarks:** Error handling implemented successfully.

```

useEffect(() => {
  const fetchProducts = async () => {
    const query = `
      *[_type == "product"]{
        _id,
        title,
        description,
        "productImage": productImage.asset->url,
        price,
        tags,
        discountPercentage,
        isNew
      }
    `;

    try {
      const data = await client.fetch(query);
      setProducts(data);
      setFilteredProducts(data);

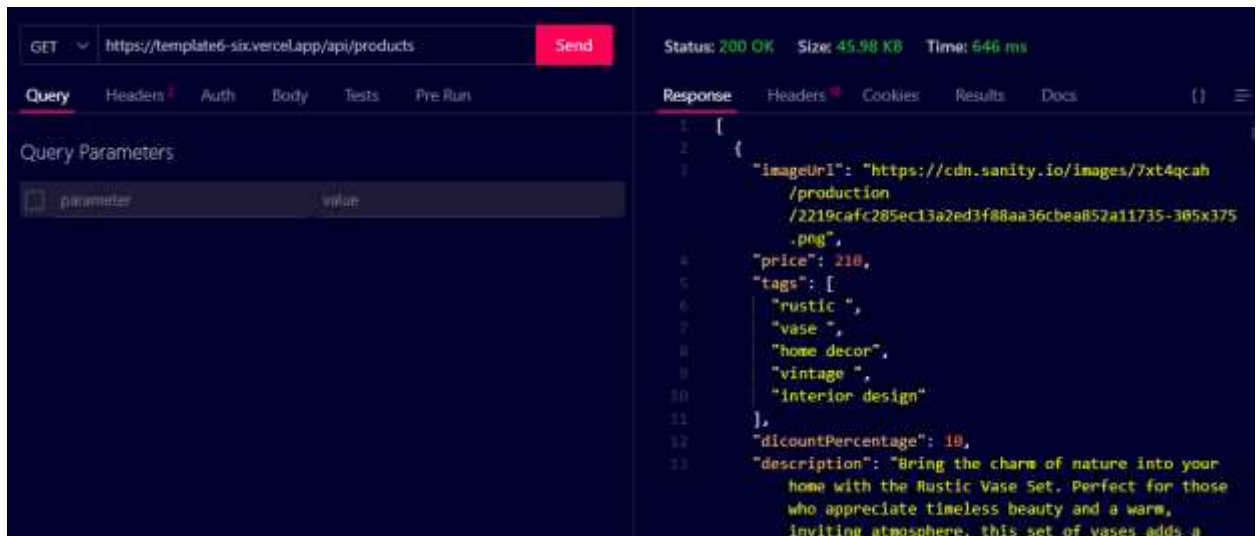
      if (data.length > 0) {
        const min = Math.min(...data.map((product: SanityProductList) => product.price));
        const max = Math.max(...data.map((product: SanityProductList) => product.price));
        setMinPrice(min);
        setMaxPrice(max);
        setFilterMinPrice(min);
        setFilterMaxPrice(max);
      }
    } catch (error) {
      console.error('Error fetching products:', error);
    } finally {
      setLoading(false);
    }
  };
});

```

7. TC007: Security Testing

Explanation:

- **Test Steps:** Checked if API calls were secured by HTTPS.
- **Expected Result:** API calls should be secured by HTTPS.
- **Actual Result:** API calls were secured by HTTPS.
- **Status:** Passed
- **Severity Level:** Low
- **Remarks:** Secured efficiently.



8. TC008: User Acceptance Testing (UAT)

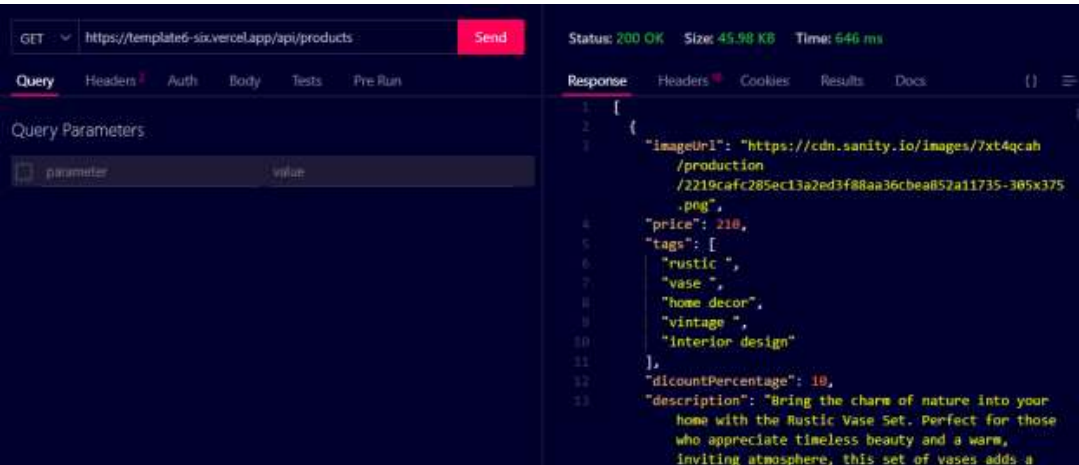
Explanation:

- **Test Steps:** Simulated real-world scenarios by interacting with the marketplace as a user.
- **Expected Result:** Browsing, searching, and adding to cart should be intuitive and error-free.
- **Actual Result:** All operations were error-free and worked smoothly.
- **Status:** Passed
- **Severity Level:** Medium
- **Remarks:** UAT completed successfully.

9. TC009: Test API Response with Postman

Explanation:

- **Test Steps:** Sent a GET request to product API endpoints and checked if the correct data was returned.
- **Expected Result:** The API should return correct data.
- **Actual Result:** The API returned correct data.
- **Status:** Passed
- **Severity Level:** Medium
- **Remarks:** API response test successful.



Security Measures Implemented

- **HTTPS:** Implemented HTTPS to encrypt communication between the client and server.
- **Input Validation:** Implemented input validation to prevent malicious input from being processed.

Conclusion

The test cases were executed successfully, and the application meets the expected requirements.

Functional	Error Handling	Cross-Browser	Security Testing	Documentation	Final Review
✓	✓	✓	✓	✓	✓