

# DemoBlaze Test Execution Report

**Project Name:** DemoBlaze

**Version:** v1.0

**Test Execution Report ID:** TER251224

**Test Lead:** Rafsan Ul Karim

**Date:** 26 Dec 2024

## 1. Test Case Execution Results

### 1.1 Test Summary:

Please click below spreadsheet link for test cases execution result

 [DemoBlaze](#)

### 1.2 Test Execution Results Summary

- Total Test Cases Executed: 7
- Fully Passed: 1
- Partially Failed: 5
- Fully Failed: 1
- Blocked: 0
- Not Executed: 0

## 2. Test Coverage Analysis

### 2.1 Test Coverage Overview

Test coverage is evaluated based on the following aspects:

1. **Functional Areas Covered:**
  - User Registration: 100% of test scenarios covered (DMB\_TC\_001).
  - User Login: 100% of test scenarios covered (DMB\_TC\_002).
  - Product Catalog Navigation: 100% of test scenarios covered (DMB\_TC\_003).
  - Shopping Cart Operations: 100% of test scenarios covered (DMB\_TC\_004).
  - Checkout Process: 100% of test scenarios covered (DMB\_TC\_005).
  - Product Categories Filtering: 100% of test scenarios covered (DMB\_TC\_006).
  - Contact Message Functionality: 100% of test scenarios covered (DMB\_TC\_007).
2. **Requirement Coverage:** All critical requirements have been covered, with a focus on validating core functionalities like user registration, login, cart operations, and checkout.
3. **Defect Density:** Defects were found related to the cart functionality, check out process, product categories filtering & contact functionalities indicating that the functionalities were broken.

### 2.2 Test Coverage Evaluation

- **Overall Test Coverage:** 25% (2 out of 7 test cases fully passed).
- **Areas Needing Improvement:** The failure of DMB\_TC\_001, DMB\_TC\_004, DMB\_TC\_005, DMB\_TC\_006, DMB\_TC\_007 indicates an incomplete feature test for the cart operations, registration, check out process, product categories filtering & contact functionalities. This suggests a potential issue in the mentioned functionalities, which needs additional attention.

### 3. Summary of Findings

#### 3.1 Summary of Passes and Fails

- **Test Case Passes:** 2 tests successfully fully passed, covering key functionalities such as user login, product catalog navigation.
- **Test Case Failures:** 5 test cases failed (DMB\_TC\_001, DMB\_TC\_004, DMB\_TC\_005, DMB\_TC\_006, DMB\_TC\_007). These test cases contain scenarios where some features are failed. These issues impact the reliability of the Demoblaze website's functionalities.

#### 3.2 Identified Issues

- Here is complete bug report link where the identified issues are reported:
  - [☰ DemoBlaze Bug Report](#)

### 4. Recommendations for Improvement

#### 4.1 Immediate Fixes

- **Sign Up Issue (TC001):**
  - The lack of validation for both the Username and Password fields is a critical issue. These fields are essential for user registration, and without proper validation, users may encounter problems such as submitting invalid or improperly formatted data.
  - **Recommendation:** Users must be able to register with valid data, and proper validation ensures that only legitimate usernames and passwords are accepted. Without this, users may be blocked from using the service altogether, which could result in a loss of new users. It's important to fix this issue as soon as possible to ensure smooth user experience and to avoid potential security vulnerabilities.
- **Empty Product Cart Issue (DMB\_TC\_005):**
  - Users might think they are submitting an order, but no products will be processed, which could result in errors, incomplete orders, or unexpected behavior.
  - **Recommendation:** However, it should still be fixed relatively soon because it directly impacts the user flow and could lead to incomplete orders or mistakes. Improving the clarity of required fields helps ensure a smoother experience and reduces the chances of errors.
- **Empty Cart List Purchasing Issue (DMB\_TC\_005):**
  - Clicking the purchase button with an empty cart would not only lead to confusion but could also result in failed transactions, empty orders, and a poor user experience.
  - **Recommendation:** It could lead to users mistakenly attempting to make a purchase with an empty cart, which could create a poor user experience and lead to mistakes. Fixing this should be a priority to ensure users can only proceed to checkout when their cart contains items.
- **Post Purchase Modal & Pre Purchase Modal Mismatch Issue (DMB\_TC\_005):**
  - Users rely on the success modal to confirm that their order went through as expected. If it's not displaying the correct data, users may assume there's a problem with their order or that their transaction hasn't been processed, which could lead to confusion or frustration.
  - **Recommendation:** Users expect feedback after completing an order, and the success modal serves as a clear indication that the transaction was successful. Without it, users are left uncertain about their order status, which could lead to dissatisfaction and potentially lost sales. It is essential to fix this issue as soon as possible to ensure a smooth and professional checkout experience.

- **No Sorting Product Issue (DMB\_TC\_006):**
  - This bug has a high severity and high priority due to its direct impact on the core shopping experience and potential loss of sales. It's important to fix this issue promptly to ensure users can easily sort and compare products by price, which is essential for a smooth, efficient shopping experience.
  - **Recommendation:** It's important to fix this issue promptly to ensure users can easily sort and compare products by price, which is essential for a smooth, efficient shopping experience.

## 5. Conclusion

- **Test Execution Status:** 2 out of 7 test cases passed, with a single issue identified except login & Product Catalog Navigation functionalities .
- **Key Issues:** The failure in cart, checkout process, product sorting needs immediate attention, as it affects core functionality.
- **Overall Quality Status:** The system is functioning well in most areas, but the identified defect must be addressed before the system can be considered ready for production.

**Test Lead:** Rafsan Ul Karim, 25 Dec 2024

**Project Manager:** [Project Manager Name], [Date]

**QA Manager:** [QA Manager Name], [Date]