**Functional Testing Execution Report**

Project: Demo Blaze E-commerce Platform  
Prepared By: Maysoon Helmy  
Date: 27 September 2025

**1. Test Execution Summary**

The following test cases were executed on the live Demo Blaze application (<https://www.demoblaze.com/>) to validate core e-commerce functionality. Results are documented below.

|  |  |  |  |
| --- | --- | --- | --- |
| ID | DESCRIPTION | RESULT | NOTES |
| TC-01 | Browse Phones category | Fail | Category filters have no effect; all products remain visible. |
| TC-O2 | Add Samsung Galaxy S6 to cart |  | “Product added.” alert shown; item and total (360) appear in cart. |
| TC-03 | Place order with empty Name field | Fail | Blocks submission but shows misleading error: “Please fill out Name and Credit Card.” |
| TC-04 | Add same product twice | Fail | Creates two separate entries instead of incrementing quantity. |

**2. Defects Identified**

Three functional defects were observed during test execution. Full details are maintained in the accompanying Defect\_Logs.xlsx file.

* DEF-01: Category navigation filters are non-functional.
* DEF-02: Checkout error messages are inaccurate and misleading.
* DEF-03: Cart does not consolidate duplicate products.

**3. Additional Test Scenarios for Improved Coverage**

Based on observed gaps and limitations in the current building, the following test scenarios are recommended to enhance test coverage in future cycles:

1. TS-04: Verify Cart Behavior After Browser Refresh  
   *A shopper adds items to the cart, refreshes the browser, and verifies whether cart contents are retained.*  
   Rationale: Demo Blaze does not persist cart data; this scenario helps document expected behavior as a known limitation.
2. TS-05: Validate Checkout Response to Invalid Credit Card Input  
   *A customer enters non-numeric characters (e.g., “abc123”) in the credit card field and verifies system feedback.*  
   Rationale: Ensures proper input validation and user guidance for payment-related errors.
3. TS-06: Test Product Pagination Navigation  
   *A shopper uses the “Next” and “Previous” buttons to navigate product pages and verifies correct product loading without duplication.*  
   Rationale: With category filters broken, pagination is a critical browsing mechanism that requires validation.