**Release Readiness Report**

**Project:** *Demo Blaze E-commerce Platform*

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**1. Executive Summary**

Functional and usability testing revealed critical gaps in core e-commerce functionality. While basic purchase flow works, key navigation and user experience issues remain unresolved.

**Recommendation**: **Do Not Release** => address high-severity defects before deployment.

**2. Testing Summary**

- **Test Cases Executed:** 4

- **Pass**: 1 (25%)

- **Fail:** 3 (75%)

|  |  |  |
| --- | --- | --- |
| Test Area | Status | Notes |
| Category Navigation | Fail | Filters non-functional |
| Add to Cart | Pass | Works as expected |
| Checkout Validation | Fail | Misleading error messages |
| Cart Management | Fail | Duplicates not consolidated |

**3. Defect Status**

All defects remain **Open**:

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Description | Severity | Status |
| DEF-01 | Category filters do not work | High | Open |
| DEF-02 | Misleading checkout error message | Medium | Open |
| DEF-03 | Cart creates duplicate entries | Medium | Open |

**4. Key Risks**

**- High Risk:** Users cannot filter products by category — breaks core browsing experience.

**- Medium Risk:** Confusing error messages may lead to abandoned purchases.

**- Medium Risk:** Duplicate cart items could cause incorrect order totals.

**- Usability Risk:** No persistent cart feedback reduces user confidence.

**5. Release Readiness Assessment**

|  |  |  |
| --- | --- | --- |
| Criteria | Status | Justification |
| Core functionality | Not Met | Category navigation broken |
| Critical defects fixed | Not Met | High-severity defect (DEF-01) open |
| Usability acceptable | Not Met | Multiple medium-severity UX issues |

**Overall Recommendation**: **DO NOT RELEASE** High-risk navigation defects must be resolved before deployment.

**6. Next Steps**

- Fix category filter functionality (DEF-01)

- Refine checkout validation messages (DEF-02)

- Implement cart item consolidation (DEF-03)

- Re-test after fixing before considering release