Automated Test Execution Report

## 1. Introduction

This report provides a summary of the execution of automated test cases. It includes details on test execution, environment, defects found, and recommendations for improvement.

## 2. Test Execution Summary

| Execution Date | 2025-02-03 |
| --- | --- |
| Total Test Cases Executed | 50 |
| Passed | 42 |
| Failed | 6 |
| Skipped | 2 |

## 3. Test Environment

- Operating System: Windows 11, macOS Ventura

- Browser Versions: Chrome v120, Edge v115, Firefox v110

- Automation Tools Used: Playwright, Selenium

- Hardware: 16GB RAM, Intel Core i7

## 4. Detailed Test Case Execution

| Test Case ID | Description | Expected Result | Actual Result | Status |
| --- | --- | --- | --- | --- |
| TC-001 | Verify login functionality | User successfully logs in | Login successful | Passed |
| TC-002 | Verify checkout process | Order placed successfully | Order failed due to payment error | Failed |
| TC-003 | Validate search functionality | Results should display relevant products | Relevant products displayed | Passed |
| TC-004 | Check password reset feature | User receives reset link | Reset link not received | Failed |
| TC-005 | Ensure cart updates correctly | Cart should update in real-time | Cart updates correctly | Passed |

## 5. Defects Identified

| Bug ID | Description | Severity | Status |
| --- | --- | --- | --- |
| BUG-001 | Payment error during checkout | Critical | Open |
| BUG-002 | Reset link not sent to user email | High | In Progress |
| BUG-003 | Cart does not update in some cases | Medium | Fixed |

## 6. Recommendations & Next Steps

- Investigate the failed test cases and fix critical defects before the next release.

- Improve automation scripts for better reliability.

- Enhance error logging and reporting mechanisms.

## 7. Conclusion

The test execution has identified critical defects in the checkout process and password reset feature. The team should prioritize fixing these issues before proceeding with the next phase.