# Test Execution Report

**Project:** Automation Exercise Testing

**Date:** November 24, 2025

**Prepared By:** QA Team

**Version:** 1.0

## 1. Executive Summary

This report summarizes the test execution results for the **Automation Exercise** project. A total of **706** test cases were executed across Manual/UI, Database, and API modules. The overall pass rate is **96.46%**, with **25** defects identified during this cycle.

## 2. Test Execution Metrics

### 2.1 Overall Summary

| **Metric** | **Count** | **Percentage** |
| --- | --- | --- |
| **Total Planned** | 706 | 100% |
| **Total Executed** | 706 | 100% |
| **Passed** | 681 | 96.46% |
| **Failed** | 25 | 3.54% |
| **Blocked/Skipped** | 0 | 0.00% |

### 2.2 Module-wise Breakdown

The following table details execution progress by testing module:

| **Module Name** | **Total Cases** | **Executed** | **Passed** | **Failed** | **Pass Rate** |
| --- | --- | --- | --- | --- | --- |
| **Manual & UI** | 633 | 633 | 610 | 23 | 96.37% |
| **Database** | 56 | 56 | 56 | 0 | 100.00% |
| **API** | 17 | 17 | 15 | 2 | 88.24% |
| **Totals** | **706** | **706** | **681** | **25** | **96.46%** |

## 3. Defect Analysis

### 3.1 Defects by Priority

A total of **25** defects were raised. The breakdown by severity/priority is as follows:

| **Priority** | **Count** | **Description** |
| --- | --- | --- |
| **High** | **4** | Major functionality broken (Input Validation). |
| **Medium** | **4** | Functionality unstable or UI major issues. |
| **Low** | **16** | Cosmetic or minor UI alignment issues. |

### 3.2 Top Defect Areas

* **Homepage UI:** Multiple alignment and overlay issues found in the "Products" grid.
* **API Validation:** createAccount endpoint accepts invalid/empty inputs (Security Risk).
* **Cart Functionality:** "Add to Cart" button visibility on hover (Critical Blocker).

## 4. Conclusion

Testing for this cycle is complete. While the pass rate is high (>96%), the presence of **High** priority defects requires immediate attention before the build can be certified for release.