## Report Details

**Project:** E-Commerce Product Management

**Test Cycle Duration:** 24 June – 27 June

**Prepared By:** Noyon Chandra Saha

### 2. Objective & Scope

- **Test Objective:** Verify a simplified Product Management Module of an e-commerce platform. The module supports basic CRUD (Create, Read, Update, Delete) operations for products via a Web UI and RESTful APIs.
- **In-Scope Modules:**
    - Add a new product
    - View product list
    - Edit a product
    - Delete a product
    - Search/filter products

### 3. Test Environment

- **URL:** [https://automationexercise.com/](https://automationexercise.com/)
- **Browsers/Devices:** Chrome v137.0.7151.120; Windows 10
- **Tools Used:** Manual testing in browser; Automated testing via Cypress, API testing postman
- **Additional Info:** Screenshot tool, Microsoft word, Excel, Git, GitHub.

### 4. Execution Summary

| Metric | Count |
|---|---|
| Total Test Cases Planned | 30 |
| Total Executed | 30 |
| ✅ Passed | 24 |
| ❌ Failed | 6 |
| ⏭️ Blocked/Skipped | 0 |

**5. Defect Summary**

- **Total Defects Raised:** 6
- **Severity Distribution:**
    - Major (P2): 3
    - Minor (P3): 3
- **Status Overview:**
    - New: 6, Closed: 0, In Progress: 0
- **Top Defects:**
    1. BUG_TC_EP_018 – Edit a Product functionality error: User can set product quantity as 0 (Major)
    2. BUG_TC_EP_019 – Edit a Product functionality error: User can set negative product quantity (Major)
    3. BUG_TC_VPL_012 – Products page UI error: In some row there are 2 products. (Minor)

**6. Key Findings & Risks**

- Product Quantity set as 0 – risk of invalid order
- Product Quantity set as negative – risk of invalid order

**7. Recommendations & Best Practices**

- UI should Improve. When user add a product in cart every time it displays a pop-up message and user cannot any interaction without clicking the pop-up message

**8. Exit Criteria**

- All planned test cases executed

## 9. Conclusion

The testing cycle completed with all 30 test cases executed and a pass rate of 80%. Six defects were identified, including major issues with invalid product quantities. These must be addressed to ensure system reliability.