**Final Test Documentation - Product Store Automation Testing**

**1. Project Overview**

This document provides the final test documentation for automation testing of the Product Store website (<https://www.demoblaze.com>). The website is an online store that allows users to view products, sign up, log in, add items to cart, and place orders. The goal of this testing project is to ensure that all major functionalities are working as expected.

**2. Objectives**

* Verify functionality of core user features like signup, login, add to cart, and place order.
* Validate error handling and input validation.
* Ensure the user interface responds correctly across scenarios.

**3. Tools and Technologies**

* **Language**: Java
* **Automation Tool**: Selenium WebDriver
* **Test Framework**: TestNG (or JUnit)
* **Build Tool**: Maven
* **Browser Used**: Chrome
* **IDE**: IntelliJ IDEA or Eclipse

**4. Test Approach**

The testing is conducted using the Page Object Model (POM) approach. Each test case is written in Java and uses Selenium WebDriver to interact with the web application. The test data and results are documented to verify the application's behavior under different conditions.

**5. Test Case Summary**

Test cases were designed to cover a wide range of scenarios, including:

* Valid and invalid user signups
* Valid and invalid login attempts
* Adding various products to the cart
* Completing an order with valid information
* Verifying error messages and success confirmations

**6. Test Execution and Results**

All test cases have been executed. The outcomes are documented in the test case Excel sheet. Most scenarios passed successfully, while any failed tests were noted and resolved. A sample result entry:

* TC\_PS\_SU\_01: Passed
* TC\_PS\_SU\_02: Passed
* TC\_PS\_SU\_03: Passed

Refer to the Excel file for complete test case IDs and their results.

**7. Conclusion**

The automation testing for the Product Store application has been successfully completed. The key functionalities are working as expected based on the scenarios tested. The automation suite can now be used for future regression testing.