**Test Plan for SauceDemo E-commerce Application**

**1. Introduction**

**Project Name:** SauceDemo E-commerce Application  
**Version:** 1.0  
**Prepared By:** Rashini Ruvindee  
**Date:** 6/3/2025

**1.1 Objective**

The purpose of this test plan is to outline the testing approach, scope, and strategy for validating the functionality, usability, and reliability of the SauceDemo e-commerce platform.

**1.2 Scope**

The testing will cover the following features:

* User Authentication (Login/Logout)
* Product Listing
* Product Details Page
* Shopping Cart Management
* Checkout Process
* Order Confirmation

**1.3 Test Items**

The following components will be tested:

* Web UI components (buttons, forms, inputs)
* Data handling (form submissions, cart updates)
* Error messages and validations
* User session management

**2. Test Strategy**

**2.1 Testing Types**

* **Functional Testing:** Validate that all features work as expected.
* **UI Testing:** Check layout, design, responsiveness.
* **Boundary Testing:** Test input limits (e.g., password length).
* **Negative Testing:** Test invalid inputs and edge cases.

**2.2 Tools & Environment**

* **Browser:** Chrome
* **Testing Tools:** Manual Testing
* **Test Data:** Sample usernames and passwords from SauceDemo

**3. Test Schedule**

| **Phase** | **Start Date** | **End Date** |
| --- | --- | --- |
| Test Plan Creation | 6/3/2025 | 6/3/2025 |
| Test Case Design | 6/3/2025 | 6/3/2025 |
| Test Execution | 7/3/2025 | 7/3/2025 |
| Bug Reporting | 7/3/2025 | 7/3/2025 |

**4. Test Deliverables**

* Test Plan Document
* Test Cases
* Bug Reports
* Test Summary Report

**5. Test Cases Outline**

**5.1 Login Functionality**

* **Valid Login**
* **Invalid Login (wrong password)**
* **Locked-out User Login**

**5.2 Product Listing & Cart**

* **Add Product to Cart**
* **Remove Product from Cart**
* **View Cart Contents**

**5.3 Checkout Process**

* **Successful Checkout**
* **Checkout with Missing Information**
* **Order Confirmation Message**

**6. Defect Management**

Bugs will be reported with the following details:

* Bug ID
* Title & Description
* Steps to Reproduce
* Severity/Priority
* Status (Open/Closed)

**7. Approval**

* QA Engineer: Rashini Ruvindee
* Date: 7/3/2025