**Test Plan Document**

**Project Title: Swag Labs – Dummy Shopping Application**

**1. Test Plan Identifier**

**TP-SwagLabs-Manual-001**

**2. Introduction**

This document outlines the test strategy, objectives, scope, and approach for manually testing the Swag Labs web application to ensure it meets the functional requirements and behaves as expected under various conditions.

**3. Test Objectives**

* Verify user login functionality with different usernames.
* Ensure product listing, sorting, and cart operations work correctly.
* Validate UI elements, navigation bar, and logout/reset operations.
* Confirm error handling for invalid login and broken users.
* Ensure user experience for performance and problem users.

**4. Test Scope**

**In Scope:**

* Login page testing (valid & invalid users)
* Product display, sorting, and selection
* Cart functionalities (add/remove/view items)
* Navigation (All Items, Logout, Reset App State)
* UI layout, responsiveness, and basic accessibility

**Out of Scope:**

* Payment gateway testing
* Backend database validation
* Security or penetration testing

**5. Test Strategy**

* **Type**: Manual Testing
* **Test Design Techniques**:
  + Equivalence Partitioning
  + Boundary Value Analysis
  + Error Guessing
* **Environment**: Web Browsers (Chrome, Firefox, Edge)

**6. Test Environment**

| **Component** | **Details** |
| --- | --- |
| URL | <https://www.saucedemo.com/v1/> |
| Devices | Windows 10 |
| Browsers | Chrome , Firefox , Edge |
| Test Data | Predefined usernames and password: secret\_sauce |

**7. Test Deliverables**

* Test Plan Document (this)
* Test Cases (Excel)
* Test Closure Report

**8. Resources & Roles**

| **Role** | **Responsibility** |
| --- | --- |
| QA Engineer | Design and execute test cases |
| QA Lead | Review and approve test plan |
| Developer (for support) | Resolve defects |

**9. Schedule**

| **Activity** | **Start Date** | **End Date** |
| --- | --- | --- |
| Requirement Analysis | Aug 21, 2023 | Aug 21, 2023 |
| Test Plan Document | Aug 22, 2023 | Aug 22, 2023 |
| Test Case Writing | Aug 23, 2023 | Aug 23, 2023 |
| Test Closure | Aug 23, 2023 | Aug 23, 2023 |

**10. Entry Criteria**

* Requirements are defined and understood.
* Test environment is set up and accessible.
* Valid credentials are available.

**11. Exit Criteria**

* All planned test cases are executed.
* All critical and major bugs are resolved or deferred.
* Final test report submitted and approved.

**12. Risk and Mitigation**

| **Risk** | **Impact** | **Mitigation** |
| --- | --- | --- |
| Browser incompatibility | Medium | Test on multiple browsers |
| Application downtime | High | Inform dev team, test after downtime |
| Incorrect credentials | Low | Use standard test data |

**13. Approvals**

| **Name** | **Role** | **Signature** |
| --- | --- | --- |
| QA Lead | Review & Approval |  |
| Project Manager | Approval |  |
| QA | Writing Test Cases | Nagashree |