**Manual Test Plan for SauceDemo**

**1. Test Plan Overview**

**1.1 Introduction**

This document outlines the manual testing approach for the SauceDemo e-commerce application (https://www.saucedemo.com/). The testing focuses on core user flows, UI/UX validation, and edge case scenarios.

**1.2 Test Objectives**

* Validate core functionality of the e-commerce platform
* Ensure proper UI/UX behaviour across different scenarios
* Identify defects and usability issues
* Verify error handling and negative scenarios

**1.3 Scope**

**In Scope:**

* Login functionality
* Product catalog browsing
* Shopping cart operations
* Checkout process
* Navigation and UI elements
* Responsive design
* Error handling
* Performance testing

**Out of Scope:**

* Security testing
* Database testing
* Third-party integrations

**1.4 Test Environment**

* **URL:** https://www.saucedemo.com/
* **Browsers:** Chrome, Firefox, Safari, Edge
* **Devices:** Desktop, Mobile, Tablet
* **Operating Systems:** Windows, macOS, iOS, Android

**1.5 Test Credentials**

Standard users provided by the application:

* standard\_user
* locked\_out\_user
* problem\_user
* performance\_glitch\_user
* Password: secret\_sauce

**2. Test Strategy**

**2.1 Functional Testing**

* **Login/Logout flows**
* **Product browsing and filtering**
* **Shopping cart management**
* **Checkout process**
* **Navigation functionality**

**2.2 UI/UX Testing**

* **Layout consistency**
* **Responsive design**
* **Error message clarity**
* **Visual elements alignment**
* **Loading states**

**2.3 Negative Testing**

* **Invalid login attempts**
* **Empty form submissions**
* **Boundary value testing**
* **Session timeout scenarios**

**3. Test Cases Categories**

**3.1 Authentication (AUTH)**

* Valid login scenarios
* Invalid login scenarios
* Logout functionality
* Session management

**3.2 Product Management (PROD)**

* Product display
* Product sorting
* Product filtering
* Product details

**3.3 Shopping Cart (CART)**

* Add to cart
* Remove from cart
* Cart persistence
* Cart calculations

**3.4 Checkout Process (CHECK)**

* Information entry
* Payment processing
* Order confirmation
* Error handling

**3.5 UI/UX Validation (UI)**

* Layout verification
* Responsive design
* Error messages
* Navigation flow

**4. Test Execution Approach**

**4.1 Test Execution Process**

1. **Setup:** Prepare test environment and data
2. **Execution:** Run test cases systematically
3. **Documentation:** Record results and defects
4. **Reporting:** Compile findings and recommendations

**4.2 Defect Management**

* **Severity Levels:**
  + **Critical:** Application crash, data loss
  + **High:** Major functionality broken
  + **Medium:** Minor functionality issues
  + **Low:** Cosmetic issues

**4.3 Exit Criteria**

* All planned test cases executed
* Critical and high-severity defects documented
* Test coverage achieved for core flows
* Test report completed

**5. Deliverables**

1. **Test Plan Document** (This document)
2. **Test Cases Sheet** with detailed steps and results
3. **Bug Report** with 3-5 issues including:
   * Screenshots
   * Severity labels
   * Reproduction steps
   * Expected vs actual behavior

**6. Risks and Assumptions**

**6.1 Risks**

* Test environment availability
* Browser compatibility issues
* Time constraints for comprehensive testing

**6.2 Assumptions**

* Application is stable for testing
* Test credentials remain valid
* Standard web browsers are used