Test Plan for SauceDemo E-Commerce Website

1. Introduction SauceDemo is an e-commerce application designed to showcase products, allow users to add items to a cart, and proceed through the checkout process. This test plan outlines the testing strategy, scope, and methodology for manually testing SauceDemo.

2. Test Objectives

- Validate the core functionalities of the SauceDemo website.
- Identify UI/UX issues that may impact the user experience.
- Ensure proper working of the login, cart, and checkout functionalities.
- Verify cross-browser compatibility.
- Detect security vulnerabilities related to authentication and transactions.

3. Scope of Testing

In-Scope:

- Login Page
- Product Listing Page
- Shopping Cart Functionality
- Checkout Process
- User Interface and Usability
- Cross-Browser Compatibility

Out of Scope:

- Backend Database Testing
- Performance and Load Testing
- API Testing

4. Test Strategy

4.1 Functional Testing

- Verify login with valid and invalid credentials.
- Check product selection, addition, and removal from the cart.
- Validate checkout process with valid and invalid inputs.
- Ensure logout functionality works correctly.

4.2 UI/UX Testing

- Check button placements and responsiveness.
- Ensure consistency in color themes and font sizes.
- Test for broken links or misaligned elements.

4.3 Usability Testing

- Assess ease of navigation.
- Identify potential improvements for user experience.

4.4 Compatibility Testing

- Test the website on Chrome, Firefox, and Edge.
- Check responsiveness on different screen sizes (Desktop, Mobile, Tablet).

4.5 Security Testing (Basic)

- Verify password masking.
- Ensure session expiration on logout.

5. Test Environment

- **Browsers:** Chrome, Firefox, Edge
- **Devices:** Windows, macOS, Android, iOS
- **Test Data:** Standard test user credentials (provided by SauceDemo)

6. Entry & Exit Criteria

Entry Criteria:

- Test cases are written and reviewed.
- SauceDemo application is accessible for testing.

Exit Criteria:

- All test cases executed with Pass/Fail status.
- Critical bugs are fixed and re-tested.
- Final test summary report is prepared.

7. Deliverables

- Test Plan Document
- Functional and UI Test Cases
- Bug Reports
- Test Summary Report

8. Risks & Mitigation

Risk	Mitigation
Website downtime	Test in off-peak hours

Incomplete test data   Use dummy data
Browser compatibility issues Perform cross-browser testing

9. Test Schedule

Task	Start Date	End Date
Test Planning	XX-XX-2025	XX-XX-2025
Test Case Preparation	XX-XX-2025	XX-XX-2025
Test Execution	XX-XX-2025	XX-XX-2025
Bug Reporting & Fixes	XX-XX-2025	XX-XX-2025
Final Report	XX-XX-2025	XX-XX-2025

10. Approval Reviewed and approved by: **[Your Name]**