**Test Plan – Sauce Demo Website**

**1. Objective**

To validate the functional and UI behavior of the Sauce Demo e-commerce application, ensuring core user journeys (login, shopping, checkout) work as expected through both manual and automated testing.

**2. Scope**

* Functional Testing (Login, Cart, Checkout)
* UI Testing (Layout, responsiveness)
* Input Validation (Login errors, product filters)
* Cross-browser (basic coverage)
* Smoke & Regression for main flows

**3. Out of Scope**

* Performance or load testing
* Mobile/responsive testing (unless explicitly required)

**4. Test Strategy**

* Manual test cases for exploratory and regression
* Automation using **Cypress** for core flows:
  + Login
  + Add to cart
  + Checkout
* Prioritize test cases by risk and user value

**5. Test Environment**

* URL: <https://www.saucedemo.com/>
* Browsers: Chrome (main), Firefox (secondary)
* OS: Windows 10

**6. Types of Testing**

* Functional Testing
* UI/UX Testing
* Smoke & Sanity Testing
* Negative Testing (invalid credentials, cart edge cases)

**7. Test Data**

* Valid login: standard\_user / secret\_sauce
* Invalid logins: locked\_out\_user, wrong passwords, empty fields
* Random product selection for cart/checkout

**8. Tools**

* Cypress (UI automation)
* VS Code (test development)
* GitHub (submission repo)
* Excel or TestRail-style table for manual test cases

**9. Risks & Mitigations**

| **Risk** | **Mitigation** |
| --- | --- |
| Site unavailability | Prepare screenshots and logs offline |
| UI element locators changing | Use robust selectors in Cypress |
| Time constraints | Prioritize smoke and checkout path |