Test Plan: SauceDemo Login Functionality

# 1. Test Objective

To verify the login functionality of https://www.saucedemo.com using valid credentials and generate both HTML and Excel reports on the test result.

# 2. Test Scope

This test covers:  
- Accessing the SauceDemo login page.  
- Entering valid credentials (standard\_user, secret\_sauce).  
- Verifying successful login by URL change and presence of page content.  
- Displaying a success message on the UI.  
- Generating HTML and Excel reports post-test execution.

# 3. Test Environment

Browser: Google Chrome  
OS: Windows  
Driver: ChromeDriver  
Automation Tool: Selenium WebDriver (Python)  
Report Tools: HTML (built-in), Excel (openpyxl)

# 4. Test Inputs

|  |  |
| --- | --- |
| Input Field | Value |
| Username | standard\_user |
| Password | secret\_sauce |

# 5. Test Steps

1. Launch Chrome browser.  
2. Navigate to https://www.saucedemo.com/.  
3. Wait for the username field, enter 'standard\_user'.  
4. Enter password as 'secret\_sauce'.  
5. Click the login button.  
6. Wait for redirection to the inventory page.  
7. Check if URL contains 'inventory' and verify presence of relevant content.  
8. Display a login success popup using JavaScript if login is successful.  
9. Generate and open:  
 - login\_test\_report.html file with test summary.  
 - login\_test\_result\_<timestamp>.xlsx file saved to Desktop with result details.

# 6. Expected Result

- Page should redirect to https://www.saucedemo.com/inventory.html.  
- Page title should be 'Swag Labs'.  
- A green login success popup should appear.  
- Reports should correctly reflect the login status as 'Passed'.

# 7. Actual Result

As per login\_test\_report.html and Excel report:  
- Status: Passed  
- URL: https://www.saucedemo.com/inventory.html  
- Page Title: Swag Labs

# 8. Pass/Fail Criteria

|  |  |
| --- | --- |
| Criteria | Pass Condition |
| Redirect to Inventory Page | URL contains 'inventory' |
| Content Verification | Page source contains 'inventory' |
| UI Confirmation | JavaScript success message displays |
| Report Generation | HTML and Excel reports created successfully |

# 9. Test Status

✅ Test Passed