

Test Case Document: Swag Labs

Test Case 1: Login with Valid Credentials

Test Case ID: TC_Swag_001

Feature: User Login

Scenario: Successful login with valid credentials

Environment	https://www.saucedemo.com/
Credentials	standard_user / secret_sauce
Preconditions	User must have a valid Swag Labs account

Action	Expected result
Open the Swag Labs login page	Swag Labs login page should be displayed
Enter username and password	Username and password should be entered correctly Password should not be visible
Click on login button	User should successfully be logged in User should be redirected to “Products” page

Test Case 2: Login with Invalid Credentials

Test Case ID: TC_Swag_002

Feature: User Login

Scenario: Unsuccessful login with invalid credentials

Environment	https://www.saucedemo.com/
Credentials	Invalid / invalid
Preconditions	None

Action	Expected result
Open the Swag Labs login page	Swag Labs login page should be displayed
Enter the invalid username and password	Username and password should be entered correctly Password should not be visible
Click on Login button	An error message should be displayed "Username and password do not match any user in this service"

Test Case 3: Add Product to Cart

Test Case ID: TC_Swag_003

Feature: Shopping Cart

Scenario: Successfully adding a product to the cart

Environment	https://www.saucedemo.com/
Credentials	standard_user / secret_sauce
Preconditions	User must have a valid Swag Labs account

Action	Expected result
Open the Swag Labs login page	Swag Labs login page should be displayed
Enter username and password	Username and password should be entered correctly Password should not be visible
Click on login button	User should successfully be logged in User should be redirected to "Products" page
Click on the "Add to cart" button for the product "Sauce Labs Backpack"	Cart badge should display "1"

Go to Cart page	The selected product should be listed in the cart page
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Test Case 4: Checkout Process

Test Case ID: TC_Swag_004

Feature: Checkout

Scenario: Completing the checkout process

Environment	https://www.saucedemo.com/
Credentials	standard_user / secret_sauce
Preconditions	User must have a valid Swag Labs account

Action	Expected result
Open the Swag Labs login page	Swag Labs login page should be displayed
Enter username and password	Username and password should be entered correctly Password should not be visible
Click on login button	User should successfully be logged in User should be redirected to "Products" page
Click on the "Add to cart" button for the product "Sauce Labs Backpack"	Cart badge should display "1"
Go to Cart page	The selected product should be listed in the cart page
Click on the checkout button	Checkout: Your Information page should be displayed Following fields should be displayed: - First name - Last name - Postal code

	Continue button should be displayed
Click on Continue button	Checkout: Overview page should be displayed Product and total should be displayed Finish button should be displayed

Test Case 5: Log out from Application

Test Case ID: TC_Swag_005

Feature: User Logout

Scenario: Successfully logging out from the application

Environment	https://www.saucedemo.com/
Credentials	standard_user / secret_sauce
Preconditions	User must have a valid Swag Labs account

Action	Expected result
Open the Swag Labs login page	Swag Labs login page should be displayed
Enter username and password	Username and password should be entered correctly Password should not be visible
Click on login button	User should successfully be logged in User should be redirected to “Products” page
Click on the menu button	Logout button should be displayed
Click on the Logout button	User should be successfully logged out of the app Login page should be displayed

Test Strategy

The strategy focuses on validating core user workflows within Swag Labs, ensuring that critical functionalities work as expected across different scenarios and environments.

The test cases cover end-to-end workflows, including:

- **Authentication** (Valid and invalid login attempts).
- **Shopping cart interactions** (Adding and verifying items).
- **Checkout process** (Successful order completion).
- **Session handling** (Ensuring proper logout behavior).

Test Execution Approach:

- Tests will be executed manually across multiple browsers (Chrome & Firefox) to ensure cross-browser compatibility.
- Automated test execution will be performed using Cypress with Cucumber (Gherkin BDD) to validate workflows efficiently.
- Automation will cover core scenarios, including:
 - Authentication (Valid and invalid login attempts).
 - Shopping cart interactions (Adding and verifying items).
 - Checkout process (Successful order completion).
 - Session handling (Logout verification).
- **Automated scripts** will be executed in Chrome (headed & headless) mode to simulate real user interactions.
- **CI/CD integration** will be implemented for automated test execution.

Rationale

The test cases are strategically designed to cover critical user journeys and high-impact scenarios in Swag Labs:

- **Login tests** verify secure authentication, preventing unauthorized access.
- **Shopping cart tests** ensure items are correctly added, displayed, and removed.
- **Checkout tests** validate the purchasing flow, ensuring users can successfully complete an order.
- **Logout tests** confirm session management and security compliance.

Test Prioritization:

- **High-risk areas (Authentication, Checkout)** are tested first, as failures here significantly impact usability.
- **Core e-commerce features (Cart, Product Selection)** are validated for proper functionality.

- **Negative scenarios** (invalid login, missing data) are included to **ensure system resilience**.

By executing these end-to-end tests, we ensure that Swag Labs is reliable, user-friendly, and functional across different devices and browsers.