SauceDemo – End-to-End Test Scenarios

Objective: Validate that a registered user can successfully log in, add products to the cart, complete checkout, and verify the order confirmation on SauceDemo.

Preconditions

- Valid credentials: standard_user / secret_sauce.

- Application URL: https://www.saucedemo.com.

- Browser is launched and network is available.

Scenario 1 – Successful Purchase of a Product

Step No	Test Step	Expected Verification Point
1	Navigate to https://www.saucedemo.com/	Login page loads with Username and Password fields and Login button visible.
2	Enter valid credentials (standard_user / secret_sauce) and click Login	User is redirected to Inventory page; URL contains '/inventory.html'; product listing is visible.
3	Identify the first product and click Add to Cart	Add button toggles to 'Remove'; Cart icon badge displays '1'.
4	Click the Cart icon	Page navigates to /cart.html; selected product is listed with correct name and price.
5	Click Checkout	Navigates to /checkout-step-one.html; First Name, Last Name, Postal Code fields are visible.
6	Enter checkout details (e.g., John / Doe / 2000) and click Continue	Navigates to /checkout-step-two.html; overview shows product, item total, tax, and total.
7	Click Finish	Navigates to /checkout-complete.html; confirmation text 'THANK YOU FOR YOUR ORDER' is visible.
8	(Optional) Click Back Home	Navigates back to Inventory page successfully.

Scenario 2 – Checkout Form Validation

Step No	Test Step	Expected Verification Point
1	Login and add one product to cart	Product added; cart badge equals 1.
2	Attempt checkout without entering First Name	Error message shown: 'First Name is required' (or generic error displayed).
3	Enter first name, omit Postal Code, click Continue	Error message shown: 'Postal Code is required'.
4	Fill all fields correctly and Continue	Proceeds to checkout overview page with product summary.

Scenario 3 – Invalid Login Attempt

Step No	Test Step	Expected Verification Point
1	Navigate to login page	Login form is visible.
2	Enter invalid credentials (e.g., wrong_user / wrong_pass) and click Login	Error banner 'Epic sadface: Username and password do not match any user in this service' is visible.
3	Observe page and URL	User remains on login page (https://www.saucedemo.com/) and is not redirected to inventory.

Scenario 4 – Cart Item Add/Remove Validation

Step No	Test Step	Expected Verification Point
1	Login to the application	Inventory page loads successfully.
2	Add two products to cart	Cart badge displays '2'.
3	Open the cart	Cart lists two products with correct names and prices.
4	Remove one product	Cart updates to show one product; badge decrements to '1' or disappears if 0.

Scenario 5 – Order Summary & Payment Confirmation

Step No	Test Step	Expected Verification Point
1	Proceed to checkout overview after entering valid details	Product name, quantity, and price appear correctly in the summary.
2	Verify cost breakdown	Item total, Tax, and Total labels are visible and display numeric values.
3	Click Finish to complete order	Confirmation screen shows 'THANK YOU FOR YOUR ORDER' with a success image/icon.

Test Data Summary

Field	Example Data	Notes
Username	standard_user	Valid demo account
Password	secret_sauce	Known demo password
First Name	John	Checkout form
Last Name	Doe	Checkout form
Postal Code	2000	Example postal code

Verification Summary

Login Page: Verify username/password fields, login button, and error banner visibility.

Inventory Page: Verify product cards load with name, price, image and add-to-cart button. Verify cart badge updates on add/remove.

Cart Page: Verify selected items appear with correct name and price and that removal updates the cart state.

Checkout Step One: Verify required field validation and error messages.

Checkout Step Two: Verify item details, subtotal, tax and total labels and values.

Checkout Complete: Verify the confirmation message 'THANK YOU FOR YOUR ORDER' and correct final URL.

Exit Criteria

All scenarios must execute successfully on Chromium. Verification points must pass without errors. End-to-end purchase flow must complete and confirm the order with consistent data across all stages.