

Functional Requirements & Acceptance Criteria

1. Product Overview

SauceDemo is an e-commerce web application that allows users to authenticate, browse products, add items to a cart, and complete a checkout process. The platform is designed for software testing and QA practice.

2. Functional Requirements

FR-01 — Login

- The system must allow the user to log in using a valid username and password.
- Invalid credentials must display an error message.

FR-02 — Product Catalog

- After login, the system must display a list of products including:
 - Product title
 - Description
 - Price
 - Add to Cart button

FR-03 — Add to Cart

- The user must be able to add one or more products to the shopping cart.
- The cart icon must display the total number of items.

FR-04 — Cart Overview

- The user must view the cart containing:
 - Product name
 - Price
 - Quantity
 - Remove button

FR-05 — Checkout: Step One

- The system must require First Name, Last Name, and ZIP Code.
- Missing fields must generate validation messages.

FR-06 — Checkout: Step Two

- The system must display order summary including:
 - Item total
 - Tax
 - Total price

FR-07 — Order Completion

- Completing the checkout must show a confirmation message:
“THANK YOU FOR YOUR ORDER”

3. Acceptance Criteria (Gherkin Format)

AC-01 — Successful Login

Given the user is on the login page

When the user enters valid credentials

Then the system must redirect to the product catalog page

AC-02 — Invalid Login

Given the user is on the login page

When invalid credentials are entered

Then the system must display an error message

AC-03 — Add to Cart

Given the user is viewing the product catalog

When the user clicks “Add to Cart” on a product

Then the product must be added to the cart

And the cart icon must update with the item count

AC-04 — Checkout Data Validation

Given the user is on Checkout Step One
When required fields are left blank
Then validation messages must be displayed
And the user must not proceed to Checkout Step Two

AC-05 — Successful Order Completion

Given the user completes Checkout Step One with valid data
And confirms the order on Checkout Step Two
When the order is submitted
Then the system must display “THANK YOU FOR YOUR ORDER”