

# 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”