

**Test Plan**  
**Shopping Cart Functionality**  
**Sauce Demo**

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# Shopping Cart Functionality - Sauce Demo

## Introduction

This test plan outlines the verification process for the shopping cart functionality of the Sauce Demo website (<https://www.saucedemo.com/v1/>). It details the test cases designed to ensure the shopping cart behaves as expected.

## Test Objectives

- Verify successful login using provided credentials.
- Validate product selection and details on product page.
- Test adding and removing products from the cart.
- Verify product information in the shopping cart.
- Test checkout process including item total and order confirmation.

## Scope

This test plan focuses on the core functionalities of the shopping cart, including adding, removing, and checking out with products. It excludes testing user management, payment processing, and other website functionalities.

## Test Cases

- **TC-01: Login with valid credentials**
  - Description: User logs in with provided username and password.
  - Expected Result: User successfully logs in and is redirected to the product inventory page.
  - Pass/Fail Criteria: URL matches <https://www.saucedemo.com/inventory.html>
- **TC-02: Select a product**
  - Description: User selects a product from the inventory list.
  - Expected Result: Product details page with matching name and price is displayed.
  - Pass/Fail Criteria: Product name and price on the page match the chosen product.
- **TC-03: Add product to cart**
  - Description: User clicks the "Add to cart" button for the chosen product.
  - Expected Result: Product is added to the cart.

- Pass/Fail Criteria: Success message or visual confirmation of product addition is displayed.
- **TC-04: Verify product in cart**
  - Description: User navigates to the shopping cart.
  - Expected Result: Added product with name and price appears in the shopping cart.
  - Pass/Fail Criteria: Product information in the cart matches the chosen product.
- **TC-05: Remove product from cart**
  - Description: User clicks the "Remove" button for the added product.
  - Expected Result: Product is successfully removed from the cart.
  - Pass/Fail Criteria: Confirmation message or UI update reflects product removal.
- **TC-06: Add multiple products**
  - Description: User selects and adds two distinct products to the cart.
  - Expected Result: Selected products with their names and prices appear in the cart.
  - Pass/Fail Criteria: Added products with their names and prices are displayed in the cart.
- **TC-07: Verify total on checkout page**
  - Description: User proceeds to checkout and views the order summary.
  - Expected Result: Item total on the checkout page matches the sum of product prices.
  - Pass/Fail Criteria: Total price displayed is the same as the sum of individual product prices.
- **TC-08: Complete order**
  - Description: User fills out checkout information and submits the order.
  - Expected Result: Order confirmation with "Thank You for your order" message is displayed.
  - Pass/Fail Criteria: "Thank You for your order" message is visible and URL matches <https://www.saucedemo.com/checkout-complete.html>
- **TC-09: Verify product in cart**
  - Description: User navigates to the shopping cart.

- Expected Result: Added product with name and price appears in the shopping cart.
- Pass/Fail Criteria: Product information in the cart matches the chosen product.

## **Test Environment**

- Browser: Chrome (latest version)
- Operating System: Windows 11
- Programming Language: Java
- Testing Framework: JUnit , Selenium-java , Chrome driver
- Automation Tool: Selenium IDE
- IDE : IntelliJ IDE

## **Entry and Exit Criteria**

### **Entry Criteria:**

- Sauce Demo website is accessible.
- Selenium IDE and JUnit are configured correctly.

### **Exit Criteria:**

- All test cases are executed.
- All critical and high-priority test cases pass.
- Defects discovered during testing are documented.

## **Test Data**

The test will utilize the following data:

- Username: standard\_user (or any provided valid username)
- Password: secret\_sauce
- Products for selection (any two distinct products)

## **Schedule**

Testing will be conducted within a week of plan approval.

## **Resources**

- Selenium IDE
- JUnit framework
- Java Development Kit (JDK)
- Maven