|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Case ID | Description | Preconditions | Test Steps | Expected Result |
| TC\_CART\_001 | Add product to cart | User is on product page | Click “Add to Cart” | Product is added to cart with correct price and quantity |
| TC\_CART\_002 | Update quantity in cart | Product is already in cart | Change quantity to 2 and click “Update” | Quantity updates, total price recalculates |
| TC\_CART\_003 | Remove product by setting quantity to 0 | Product is in cart | Set quantity to 0 and click “Update” | Product is removed from cart, success alert shown |
| TC\_CART\_004 | Remove product using “Remove” button | Product is in cart | Click “Remove” next to product | Product is removed from cart, success alert shown |
| TC\_CART\_005 | View cart summary with multiple items | Multiple products added | Go to cart page | All items listed with correct name, quantity, price, and total |
| TC\_CART\_006 | Add same product twice | Product is in cart | Add same product again | Quantity increases, total price updates accordingly |
| TC\_CART\_007 | Add product with zero stock | Product is out of stock | Try to add to cart | Error message shown, product not added “ OR” product out of stock |
| TC\_CART\_008 | Cart persists after page refresh | Product is in cart | Refresh cart page | Cart remains unchanged with correct data |
| TC\_CART\_009 | Verify cart persists after logout and login | Product are in cart | 1. Log out  2. Log back in | Cart retains previously added items with correct quantity and price |
| TC\_CART\_010 | Cart summary updates correctly after coupon applied | Product are in cart | Go to ->cart page  During checkout  Apply valid coupon | Discount applied, total price updated |

**Part 1: Test Case Design**

**PART 2**

**Bug Report 1: Based on Assignment Instructions**

**Bug ID: BR-CHECKOUT-001**

**Title:** Valid Coupon Code 'WELCOME10' Fails to Apply Discount

**Steps to Reproduce:**

1. Navigate to https://demo.opencart.com/en-gb

2. Add any product to the cart

3. Proceed to the checkout page

4. Enter coupon code "WELCOME10" in the coupon field

5. Click "Apply Coupon"

**Expected Result:**

The system should apply a 10% discount to the cart total and update the summary accordingly.

**Actual Result:**

A warning message appears: "Invalid coupon." No discount is applied.

**Severity:** Major

**Priority:** High

**Bug Report 2: Based on Your Manual Testing**

**Bug ID: BR-CART-002**

**Title:** Incorrect Cart Total and Coupon Application Failure

**Steps to Reproduce:**

1. Go to https://demo.opencart.com/en-gb?route=checkout/cart

2. Add 3 units of iPod Classic (Model: Product 20) to the cart

3. Observe the unit price ($122) and total ($362.00)

4. Note the subtotal ($300), eco-tax ($6), VAT ($60), and total ($366)

5. Enter coupon code "WELCOME10" and click "Apply Coupon"

**Expected Result:**

- Total price for 3 units should be $366 (3 × $122)

- Coupon should apply a 10% discount, reducing the total accordingly

**Actual Result:**

- Product total shows $362.00 instead of $366

- Coupon application fails with warning: "Coupon is either invalid, expired or reached its usage limit!"

**Severity:** Major

**Priority:** Medium

**Part 3: Test Data Design**

**Test Data Set 1: Correct Order Details**

|  |  |
| --- | --- |
| Field | Value |
| User ID | U001 |
| Order ID | ORD1001 |
| Product | Wireless Mouse |
| Quantity | 2 |
| Unit Price | $25.00 |
| Total Price | $50.00 |
| Order Date | 2025-09-10 |
| Status | Delivered |

**Purpose:** Verifies that the order history correctly displays product name, quantity, price, and date

**Test Data Set 2: Multiple Orders by Same User**

|  |  |
| --- | --- |
| Field | Value |
| User ID | U002 |
| Order ID | ORD1002 / ORD1003 |
| Products | Laptop Bag / USB-C Cable |
| Quantity | 1 / 3 |
| Unit Price | $40.00 / $10.00 |
| Total Price | $40.00 / $30.00 |
| Order Date | 2025-09-11 / 2025-09-12 |
| Status | Delivered / Delivered |

**Purpose**: Ensures the system can handle and display multiple orders for the same user without merging or mislabeling.

**Test Data Set 3: Return Request**

|  |  |
| --- | --- |
| Field | Value |
| User ID | U003 |
| Order ID | ORD1004 |
| Product | Bluetooth Speaker |
| Quantity | 1 |
| Unit Price | $80.00 |
| Total Price | $80.00 |
| Order Date | 2025-09-09 |
| Return Date | 2025-09-13 |
| Status | Returned |

**Purpose:** Validates that returned items are correctly marked and timestamped in the order history.

**Test Data Set 4: Refund Processed**

|  |  |
| --- | --- |
| **Field** | **Value** |
| User ID | U004 |
| Order ID | ORD1005 |
| Product | Noise Cancelling Headphones |
| Quantity | 1 |
| Unit Price | $150.00 |
| Total Price | $150.00 |
| Order Date | 2025-09-08 |
| Refund Date | 2025-09-14 |
| Refund Amount | $150.00 |
| Status | Refunded |

**Purpose**: Confirms that refund details (amount, date) are accurately reflected in the order history.

**Test Data Set 5: Mixed Order Statuses**

|  |  |
| --- | --- |
| Field | Value |
| User ID | U005 |
| Order ID | ORD1006 / ORD1007 / ORD1008 |
| Products | Keyboard / Monitor / Webcam |
| Quantity | 1 / 1 / 2 |
| Unit Price | $30 / $200 / $50 |
| Total Price | $30 / $200 / $100 |
| Order Dates | 2025-09-05 / 2025-09-06 / 2025-09-07 |
| Status | Delivered / Cancelled / Returned |

**Purpose:** Tests how the system handles and displays a mix of statuses (delivered, cancelled, returned) for a single user.

**Part 4: Exploratory Testing**

**Scenario 1**: Search using exact product name (e.g., “Wireless Mouse”)

why: Verifies that the search returns correct results for precise queries..

**Scenario 2**: Search using partial keywords (e.g., “Mouse” or “Wire”)

why: Tests how well the system handles incomplete or fuzzy input—critical for usability..

**Scenario 3**: Apply multiple filters simultaneously (e.g., Category + Price + Brand)

why: Ensures filters work together and narrow down results accurately.

**Scenario 4**: Search with typos or special characters (e.g., “Wirless” or “Mous@”)

why: Checks system tolerance for user errors and input validation.

**Scenario 5**: Perform a search that returns no matching results

why: Confirms that the system handles empty results gracefully (e.g., shows helpful message).

**Part 5: Automation (Bonus)**

**Repo Link:** <https://github.com/KaveriMetri07/saucedemo-automation>