**Bug Report: Checkout with Empty Cart**

**Issue ID**: BC-001

**Title**: User is able to checkout with an empty cart

**Severity**: Critical

**Reported By**: Sanjay Mohan

**Date**: 30/10/2024

**Context**

During testing of the Saucedemo website’s checkout functionality, it was observed that users could proceed to checkout without any items in their cart. This issue could lead to confusion and a poor user experience, contradicting expected e-commerce behaviour.

**Problem**

**Steps to Reproduce**:

1.Navigate to the Saucedemo login page.

2.Enter valid login credentials (e.g., username: standard\_user, password: secret\_sauce).

3. Click on the “Login” button.

4.From the inventory page, do not add any items to the cart.

5.Click on the cart icon.

6.On the cart page, click the “Checkout” button.

**Expected Result**:

The system should prevent the user from proceeding to checkout and display an error message indicating that the cart is empty.

**Actual Result**:

The user is redirected to the checkout page without any items in the cart, indicating that an empty cart can complete the checkout process.

**Root Cause**

The root cause of this issue is a flaw in the cart validation logic within the checkout process. Specifically, there is likely a missing conditional check to prevent navigation to the checkout page if the cart is empty.

**Fix**

To resolve this issue, the following fix is recommended:

1.Implement a validation check in the checkout function that assesses the cart’s contents before allowing navigation to the checkout page.

2. Display an appropriate error message if the cart is empty, guiding users to add items before proceeding.

**Documentation**

**Screenshots**

1. **No items Present in cart**

A white rectangular object with red text

Description automatically generated

**2.Able to click on checkout without any issues**

A screenshot of a computer

Description automatically generated

**3.Checkout page without any items(price is shown as zero)**

A screenshot of a phone

Description automatically generated

**Related Test Cases**:

[emptyCartCheckout.spec.ts](https://github.com/SanjayMohan95/saucedemo-tests/blob/main/tests/emptyCartCheckout.spec.ts)

**Testing Approach Adjustments**:

Future test cases should include additional validation scenarios to ensure that cart checks are functioning correctly. This includes testing cases for adding/removing items and validating checkout behaviour across various conditions.