**Bug Report: Incorrect Total Calculation After Checkout**

**Bug ID**: BC-006

**Reported By**: Sanjay Mohan

**Date of Report**: 30th October 2024

**Severity**: Critical

**Environment**: Web Application

**Description**

When using the “problem user” credentials to log in, the application displays an incorrect total amount after the checkout process. The total amount does not reflect the expected sum based on the prices of the items added to the cart.

**Steps to Reproduce**

1. Log in using the following credentials:

• **Username**: problem\_user

• **Password**: secret\_sauce

2. Add the following items to the cart (these are the only items that can be added):

• Sauce Labs Backpack ($29.99)

• Sauce Labs Bike Light ($9.99)

• Sauce Labs Onesie ($7.99)

3. Navigate to the checkout page.

4. Observe the total amount displayed at checkout.

**Expected Result**

The total amount should accurately reflect the sum of the individual item prices, which should be calculated as follows:

• Item total: $29.99 + $9.99 + $7.99 = $47.97

• Tax: Correctly calculated based on the total.

• Total: Item total + Tax.

**Actual Result**

The total amount displayed is incorrect, showing a value of $103.62, which does not correlate with the sum of the added items.

**Fix**

The total calculation logic in the checkout process needs to be reviewed and corrected to ensure that it accurately sums the prices of all items in the cart and includes any applicable taxes. The implementation should be tested with various combinations of items to ensure accuracy.

**Documentation**

**Screenshots**

**1.Actual**

A screenshot of a white box

Description automatically generated

**2.Expected**

**A screenshot of a computer

Description automatically generated**

**Related Test Cases**

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

• [problemuser](https://github.com/SanjayMohan95/saucedemo-tests/blob/main/AddiotionalTestCases(Not%20Required)/problemuser.spec.ts)

**Testing Approach Adjustment**

Due to this issue, the testing approach will be adjusted to include additional verification for the accuracy of total calculations during the checkout process. This will involve checking that the displayed item total, tax, and final amount are calculated correctly based on the items present in the cart.