

# Bug Report

## Bug #1: Cart Items Lost on Logout

**Severity: High**

**Description:**

When a user logs in, adds products to their cart, and then logs out, the cart becomes completely empty upon logout.

Steps to Reproduce:

1. Log in to the website
2. Add one or more products to the cart
3. Log out
4. Log back in

**Expected Result:**

Cart items should persist across login sessions.

**Actual Result:**

Cart is emptied upon logout, losing all previously added items.

**Impact:**

This bug significantly disrupts the user experience and may lead to lost sales. Users expecting to complete their purchase later may be frustrated to find their cart empty, potentially abandoning their purchase altogether.

## Bug #2: Non-functional Product Sorting

**Severity: Medium**

**Description:**

The sorting functionality for size, color, and availability does not work as expected.

Steps to Reproduce:

1. Navigate to any product category page
2. Attempt to sort products by size, color, or availability

**Expected Result:**

Products should be sorted according to the selected criterion.

**Actual Result:**

No change in product order is observed when sorting options are applied.

**Impact:**

This issue hampers the user's ability to find desired products efficiently, potentially leading to a poor shopping experience and decreased conversion rates.

## Bug #3: Unable to Add In-Stock Products to Cart

**Severity: Critical**

**Description:**

Some products that are listed as in stock with different size options cannot be added to the cart.

Steps to Reproduce:

1. Navigate to a product page for an item that shows as in stock
2. Select an available size
3. Attempt to add the product to the cart

**Expected Result:**

The product should be successfully added to the cart.

**Actual Result:**

The product cannot be added to the cart despite being listed as in stock.

**Impact:**

This is a critical issue that directly prevents sales. Users are unable to purchase products that appear to be available, leading to immediate loss of revenue and significant user frustration.