Inventory System Allowing Negative Stock Values

Description: A potential issue was identified where product managers could add new products with negative stock quantities, causing inventory inconsistencies and potentially allowing orders for unavailable items.

Steps to Reproduce:

1. Log in as a Product Manager
2. Navigate to add a new product
3. Enter a negative value (e.g., -10) in the stock quantity field
4. Submit the product creation form

Expected Behavior: The system should reject the product creation and notify that stock values cannot be negative.

Actual Behavior: Without validation, the system would create a product with a negative stock value, disrupting inventory management.

Severity: Medium

Affected Component: ProductService

Root Cause: Missing validation for stock quantity inputs when adding new products.

Fix Implemented: Added validation in the addProduct method of ProductService.java to ensure stock values are non-negative