**Add Product Form Tests**

**Test 1: Successful Product Addition**

**Test Steps:**

1. Open AddProductForm.
2. Enter valid product details
3. Press "Add Product" button.

**Expected Results:**

* Confirmation message should state "Product added successfully."

**Test 2: Boundary Test for Quantity**

**Test Steps:**

1. Open AddProductForm.
2. Enter product details with maximum quantity
3. Press "Add Product" button.

**Expected Results:**

* System should handle large quantities without errors.

**Test 3: Empty Fields Test**

**Test Steps:**

1. Open AddProductForm.
2. Leave all fields empty.
3. Press "Add Product" button.

**Expected Results:**

* Error message should state "Please fill in all fields."

**Test 4: Invalid Price Format**

**Test Steps:**

1. Open AddProductForm.
2. Enter product details with invalid price (e.g., Price: "abc").
3. Press "Add Product" button.

**Expected Results:**

* Error message should state "Please enter a valid price."

**Test 5: Negative Quantity**

**Test Steps:**

1. Open AddProductForm.
2. Enter product details with negative quantity (e.g., Quantity: "-10").
3. Press "Add Product" button.

**Expected Results:**

* Error message should state "Please enter a valid quantity."

**Update Product Form Tests**

**Test 1: Successful Product Update**

**Test Steps:**

1. Open UpdateProductForm.
2. Enter valid product details for an existing product.
3. Press "Update Product" button.

**Expected Results:**

* Confirmation message should state "Product updated successfully."

**Test 2: Non-existent Product ID**

**Test Steps:**

1. Open UpdateProductForm.
2. Enter a non-existent Product ID.
3. Press "Update Product" button.

**Expected Results:**

* Error message should state "Product ID not found."

This one needs to be fixed^

**Test 3: Boundary Test for Price**

**Test Steps:**

1. Open UpdateProductForm.
2. Enter product details with extremely high price.
3. Press "Update Product" button.

**Expected Results:**

* System should handle very high prices without errors.

Might need change this to allow higher prices.^

**Test 4: Empty Description**

**Test Steps:**

1. Open UpdateProductForm.
2. Enter all details but leave the description empty.
3. Press "Update Product" button.

**Expected Results:**

* Error message should state “Please fill in all fields.”

**Test 5: Zero Quantity**

**Test Steps:**

1. Open UpdateProductForm.
2. Enter zero for quantity.
3. Press "Update Product" button.

**Expected Results:**

* Error message should state “Please enter a valid quantity.”