**1. Test Case: Verify Product Availability Status on Homepage vs Product Detail Page**

**Test Case ID: TC\_MANUAL\_001**

Module: Product Display

Priority: Medium

Type: UI/Functional

**Description:**

Ensure that product availability status (e.g., "Out Of Stock") is consistently displayed across both the homepage product listing and the individual product detail page. This helps users make informed decisions without needing to click into each product.

**Preconditions:**

- User is on the OpenCart demo homepage: https://demo.opencart.com/en-gb?route=common/home

**Test Steps:**

1. Navigate to the homepage.

2. Observe the product listing section (e.g., iPhone).

3. Note the absence of "Out Of Stock" label on the product card.

4. Click on the product (e.g., iPhone) to open the product detail page.

5. Observe the availability status displayed.

**Expected Result:**

- The homepage product listing should display the availability status (e.g., "Out Of Stock") if the product is not available.

- The product detail page correctly shows "Availability: Out Of Stock".

**Actual Result:**

- Homepage does not show "Out Of Stock" label.

- Product detail page shows "Availability: Out Of Stock".

**Status: Fail (UI inconsistency)**

**Remarks:**

- This may cause confusion for users expecting real-time stock visibility on the homepage.

**2.Test Title: Validate Add to Cart Workflow for Apple Cinema 30" Product**

**Test Case ID: TC\_MANUAL\_002**

Module: Product Page → Add to Cart

Priority: High

Test Type: Functional, UI, Negative Testing

Environment: https://demo.opencart.com/en-gb/product/apple-cinema

**Description:**

This test case verifies the behavior of the “Add to Cart” functionality for the Apple Cinema 30" product. It checks for required field validations, file upload restrictions, quantity enforcement, and UI feedback. The test also highlights inconsistencies such as accepting quantity below the minimum and lack of visual confirmation for uploaded files.

**Preconditions:**

- User is on the Apple Cinema 30" product page.

- Browser is up-to-date and cookies/cache cleared.

- User is logged in (if required).

**Test Steps & Expected Results**:

Step 1:

Action: Click “Add to Cart” without filling any options.

Expected Result: Red validation messages appear: “Text required”, “Checkbox required”.

Step 2:

Action: Fill all required fields except file upload.

Expected Result: Validation message appears for missing file upload.

Step 3:

Action: Upload `.docx` or `.txt` file.

Expected Result: Upload rejected; alert or error message shown.

Step 4:

Action: Upload valid file format (`.pdf`, `.png`, `.jpeg`).

Expected Result: Alert appears confirming upload; no filename or visual confirmation shown.

Step 5:

Action: Set quantity to `1`, fill all fields, upload valid file, click “Add to Cart”.

Expected Result: Alert: “Success: You have added Apple Cinema 30" to your shopping cart!”

Note: BUG – Product added despite minimum quantity of 2.

Step 6:

Action: Set quantity to `2`, fill all fields, upload valid file, click “Add to Cart”.

Expected Result: Product added successfully with correct quantity.

**Expected Outcomes Summary:**

1. Scenario: Missing required fields
   1. Expected Behavior: Red validation messages shown
2. Scenario: Invalid file format
   1. Expected Behavior: Upload rejected with alert
3. Scenario: Valid file format
   1. Expected Behavior: Upload accepted, alert shown, but no filename displayed
4. Scenario: Quantity less than minimum (1)
   1. Expected Behavior: Should not allow adding to cart (BUG: currently allows)
5. Scenario: Quantity meets minimum (2)
   1. Expected Behavior: Product added successfully

**Observed Bugs:**

- File upload does not show filename after upload.

- Cart accepts quantity 1 despite minimum being 2.

**3.Test Title: Validate Stock Status Consistency for HTC Touch HD**

**Test Case ID: TC\_MANUAL\_003**

Module: Product Page → Shopping Cart → Checkout

Priority: Critical

Test Type: Functional, UI, Regression

Environment: https://demo.opencart.com/en-gb/product/htc-touch-hd

**Description:**

This test case verifies the consistency of stock status for the HTC Touch HD product across the product page, shopping cart, and checkout flow. The issue observed is that the product is marked "In Stock" on the product page but appears as "\*\*\*" (out of stock) in the cart, preventing checkout.

**Preconditions:**

- User is logged in (if required).

- Product HTC Touch HD is listed as “In Stock” on the product page.

**Test Steps & Expected Results:**

Step 1:

Action: Navigate to HTC Touch HD product page.

Expected Result: Product status displays “In Stock”.

Step 2:

Action: Click “Add to Cart”.

Expected Result: Product is added to cart successfully.

Step 3:

Action: Open Shopping Cart.

Expected Result: HTC Touch HD appears in cart with correct quantity and price.

Step 4:

Action: Observe cart status for HTC Touch HD.

Expected Result: Product should be listed as “In Stock”.

Actual Result: Product is marked with "\*\*\*" indicating out of stock.

Step 5:

Action: Attempt to proceed to checkout.

Expected Result: Checkout should proceed normally.

Actual Result: Popup appears stating product is out of stock; checkout blocked.

Step 6:

Action: Return to product page and verify stock status again.

Expected Result: Product still shows “In Stock”.

**Expected Outcomes Summary:**

1. Scenario: Product page shows “In Stock”
   1. Expected Behavior: Cart and checkout should reflect same status
2. Scenario: Product added to cart
   1. Expected Behavior: Should not be marked as out of stock unless status changed
3. Scenario: Checkout attempt
   1. Expected Behavior: Should succeed if product is in stock

**Observed Bug:**

- Product HTC Touch HD shows “In Stock” on product page but is marked as out of stock in cart and blocks checkout.

- Cart displays "\*\*\*" next to product name indicating stock issue despite product page showing availability.

**Notes:**

- This issue may be due to backend inventory sync failure or caching problem.

- Needs urgent fix to prevent user confusion and checkout failure.

**4.Test Title: Verify Cart Update Functionality for iPod Nano and iPod Classic**

**Test Case: TC\_MANUAL\_004**

Module: Shopping Cart

Priority: High

Test Type: Functional, UI

Environment: https://demo.opencart.com/en-gb?route=checkout/cart

**Description:**

This test case verifies that updating the quantity of items in the shopping cart correctly reflects the updated totals for each item and the overall cart.

**Preconditions:**

- User is logged in (if required).

- Cart contains:

- iPod Nano with quantity = 1, unit price = $122

- iPod Classic with quantity = 2, unit price = $122

**Test Steps & Expected Results:**

1. cart view
   1. Expected:
      * iPod Nano Qty: 1, Unit Price: $122, Total: $122
      * iPod Classic Qty: 2, Unit Price: $122, Total: $244
2. cart update "iPod Nano" --qty=2
   1. Expected:
      * iPod Nano Total: $244
3. cart update "iPod Classic" --qty=3
   1. Expected:
      * iPod Classic Total: $366
4. cart view
   1. Expected:
      * iPod Nano Qty: 2, Unit Price: $122, Total: $244
      * iPod Classic Qty: 3, Unit Price: $122, Total: $366
      * Cart Total: $610

**Expected Outcomes Summary:**

- Quantity updates should reflect correct item totals

- Cart total should match sum of item totals

- UI should display updated quantities and totals accurately

**Notes:**

- Ensure no pricing miscalculations occur

- Validate that cart updates persist across sessions