

## Contents

Scope of Testing for the "Add Item" Page .....	1
1. Functional Testing.....	1
2. Security Testing.....	2
3. Usability Testing.....	2
4. Performance Testing .....	2
5. Compatibility Testing.....	3
6. Non-Functional Testing .....	3

## Scope of Testing for the "Add Item" Page

The scope of testing for the **"Add Item"** page covers functional, non-functional, security, usability, and performance testing aspects to ensure the page works as expected under all conditions. Below is a detailed breakdown of the scope:

### 1. Functional Testing

This includes verifying all core functionalities of the **"Add Item"** page to ensure it behaves as intended:

- **Form Fields Validation**
  - Check all mandatory fields such as product name, description, price, and category.
  - Test character limits for text fields (e.g., Product Name, Description).
  - Validate correct formatting for specific fields (e.g., price must only accept numerical values).
  - Ensure dropdowns, checkboxes, radio buttons, and other form elements work properly.
- **Input Validation**
  - Validate input against potential SQL injection and other malicious attacks.
  - Ensure special characters, HTML tags, and script injections are handled properly.
- **File Upload**
  - Validate file upload functionality for product images.

- Ensure only allowed file types (e.g., JPG, PNG) are accepted.
    - Validate file size limits.
  - **Dynamic Updates**
    - Ensure any dependent fields or dynamic sections are updated correctly based on user input (e.g., updating price based on product options).
  - **Submit and Reset Buttons**
    - Verify the correct submission of the form when all data is valid.
    - Ensure the reset/clear functionality works and clears all fields properly.
- 

## 2. Security Testing

The **"Add Item"** page handles sensitive data such as product information, making security testing critical:

- **Authentication and Authorization**
    - Ensure that only authorized users (e.g., product managers or admins) can access and submit items through this page.
  - **HTTPS**
    - Verify that the page uses secure HTTPS connections for transmitting sensitive information.
- 

## 3. Usability Testing

This covers how user-friendly and intuitive the **"Add Item"** page is for end users:

- **User Interface (UI) Consistency**
    - Verify that the layout, color scheme, font size, and placement of UI elements follow design guidelines.
  - **Error Messages**
    - Ensure that error messages are clear, helpful, and user-friendly.
    - Test if the user receives feedback when required fields are left blank or invalid data is entered.
- 

## 4. Performance Testing

The page's performance under various conditions must be assessed:

- **Page Load Time**

- Ensure that the page loads within an acceptable time frame (e.g., under 3 seconds).

- **File Upload Time**

- Validate that uploading large images or files does not cause significant delays in page performance.

- **Concurrent Users**

- Simulate multiple users adding items at the same time to check the system's ability to handle multiple requests without crashing.

---

## 5. Compatibility Testing

The "**Add Item**" page should work seamlessly across different environments:

- **Browser Compatibility**

- Test the page on multiple browsers like Chrome, Firefox, Safari, Edge, etc.

- **Device Compatibility**

- Ensure that the page is responsive and works on various devices (desktop, mobile, tablet).

---

## 6. Non-Functional Testing

This aspect ensures that the page works efficiently in real-world environments:

- **Scalability**

- Assess the system's ability to scale when there are large volumes of data being added.

- **Accessibility**

- Test if the "**Add Item**" page is accessible to users with disabilities (e.g., screen reader compatibility, keyboard navigation).