





**Test Plan for STUDY NOTION**

## **1. Introduction**

**Note Master** is an online learning platform that provides various courses and resources for students and instructors. The objective of this test plan is to ensure the platform’s functionalities work as expected, covering both manual and automated testing.

## **2. Scope**

* **Functional Testing**: Verifying features on the Home Page, Login , Sign Up, and hero section,Create Notes, Editing Notes ,profile sections.
* **UI/UX Testing**: Ensuring a user-friendly experience.
* **Performance Testing**: Checking page load times and response times.
* **Security Testing**: Ensuring secure logins and data handling.
* **Automation Testing**: Using Selenium WebDriver, Java, and TestNG for test automation.

## **3. Test Strategy**

### **3.1 Manual Testing**

* **Mind Map Creation**: Understanding platform navigation and dependencies.
* **Test Scenario Development**: Identifying key user flows.
* **Test Case Execution**: Performing test cases and logging defects.
* **Bug Reporting**: Documenting identified issues.
* **Test Summary Report**: Providing insights on testing progress and issues found.

### **3.2 Automation Testing**

* **Tools Used**: Selenium WebDriver, Java, TestNG.
* **Automation Coverage**:  
  + Login functionality
  + Profile creation

Notebook creation

* + Sign-up workflows
  + Page redirects and buttons
* **Framework**: Test Ng (for maintainability.

## **4. Test Scenarios**

### **4.1 Home Page**

* Verify logo visibility and navigation.
* Test login and sign-up.
* Check ‘creating Notes’ , “Write Notes”.

### **4.2 Create NoteBook**

* Ensure course categories (Backend, Frontend, etc.) are accessible.
* Verify course details are displayed correctly.

### **4.3 Profile**

* Validate form submission with valid and invalid inputs.
* Verify the Updates the profile..

### **4.4 Dashboard**

* Check ‘Get in Touch’ and messaging functionality.
* Verify creating Notes.

## **5. Test Cases**

| **Test Case ID** | **Description** | **Steps** | **Expected Result** | **Status** |
| --- | --- | --- | --- | --- |
| TC001 | Verify login functionality | Enter credentials & submit | Successful login | Pending |
| TC002 | Check course navigation | Click on a category | Courses displayed | Pending |

## **6. Bug Reporting**

* Bugs will be reported in **JIRA** or **Excel Sheet** with details:  
  + **Bug ID**
  + **Description**
  + **Severity & Priority**
  + **Steps to Reproduce**
  + **Screenshots (if applicable)**

## **7. Test Summary Report**

At the end of the testing cycle, a **Test Summary Report** will be generated, covering:

* Number of test cases executed
* Number of defects found and their status
* Automation execution results
* Recommendations for improvements

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