TEST PLAN

https://notes-makers.vercel.app/pages/login?redirect=L3BhZ2VzL25vdGVz

**Test Plan for Note Maker & To-Do Application**

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* **Introduction**

This test plan outlines the strategy for testing the "Note Maker & To-Do" web application. The application enables users to create/edit notes, manage to-do lists, authenticate securely, and ensure real-time data synchronization. The goal is to ensure the product meets functional, usability, and compatibility standards across devices.

* **Objectives**
* Validate critical user workflows like note creation, to-do management, and login/authentication.
* Ensure data synchronization and UI responsiveness across devices.
* Identify and log at least 15 high-priority bugs.
* Provide feedback to improve usability and maintainability.
* **Scope**

**In-Scope:**

* Functional testing for note editing, to-do operations, and authentication.
* UI and UX verification on desktop, tablet, and mobile.
* Automation for major user flows using Selenium.

**Out of Scope:**

* Backend/database performance testing.
* Localization and multi-language testing.
* **Testable Features**

 Note Creation & Editing

 To-Do List Management (Add, Update, Delete tasks)

 User Authentication & Authorization

 Data Synchronization

 Responsive Design across devices

* **Testing Approach**
* **Manual Testing**: Functional, UI, usability, and cross-device tests.
* **Automation**: Selenium scripts using Page Object Model for:
  + Login & Authentication
  + Note creation
  + Adding and updating to-dos
  + Verifying synchronization
* Maintain detailed bug reports with clear reproduction steps and logs.
* Use assertions and logs for failure points in automation.
* **Roles and Responsibilities**
* **QA Engineer:**

 Design and execute test cases

 Create Selenium scripts for critical flows

 Log and categorize bugs

 Participate in bug triage

 Suggest practical improvements

* **Test Schedule**

| **Task** | **Duration** |
| --- | --- |
| Requirement Analysis | 1 day |
| Test Planning | 1 day |
| Manual Test Execution | 2 days |
| Automation Script Writing | 2 days |
| Bug Reporting & Review | Ongoing |
| Final Report Submission | 1 day |

* **Test Deliverables**

 Test Plan document

 Test Scenarios and Test Cases

 Selenium automation scripts

 Bug Reports

 Final Summary Report with metrics and insights

* **Entry and Exit Criteria**

**Entry Criteria:**

* Access to the application and credentials (if any)
* Stable version of the application
* Defined requirements and key flows

**Exit Criteria:**

* Completion of all planned test cases
* All critical bugs fixed and verified
* Final report submitted
* **Tools**
* Selenium WebDriver (for automation)
* TestNG (for assertions and reporting)
* Google Sheets/Docs (documentation)
* **Risks and Mitigation**

| **Risk** | **Mitigation** |
| --- | --- |
| Ambiguous requirements | Continuous communication with dev team |
| UI inconsistencies across devices | Perform responsive testing on multiple devices |
| Limited testing time | Prioritize critical user flows and automation |

* Approvals

This project has been reviewed and approved by **Pooja Ma’am (Head)**.