Test Plan for Notes Makers Web Application

1. Introduction

The Notes Makers web application is designed to allow users to create, edit, delete, and manage notes efficiently. This test plan outlines the testing strategy to ensure the application's functionality, usability, performance, and security.

2. Objectives

- Verify that users can create, edit, delete, and search for notes.

- Ensure the application maintains data integrity and security.

- Validate the responsiveness and cross-browser compatibility.

- Identify and fix any functional and UI issues.

- Ensure a smooth user experience without critical bugs.

3. Scope

In Scope:

- User authentication (Signup, Login, Logout)

- Notes creation, editing, deletion, and search

- UI/UX consistency across different devices

- Error handling and validation messages

- Data persistence and retrieval

Out of Scope:

- Performance/load testing

- Security penetration testing beyond basic validations

4. Testable Features

- User Authentication: Signup, login, logout

- Notes Management: Creating, updating, deleting, and searching for notes

- User Interface: Responsive design, UI consistency

- Error Handling: Form validation, empty note handling, invalid input scenarios

- Performance: Page load time and responsiveness

5. Testing Approach

- Manual Testing:
  - Functional testing to verify core features.

  - UI testing to ensure a consistent experience.

  - Negative testing for handling invalid inputs.

- Automation Testing (if applicable):
  - Regression testing using test scripts.

  - Smoke and sanity checks for critical flows.

- Compatibility Testing:

  - Testing on different browsers (Chrome, Firefox, Edge, Safari)

  - Mobile responsiveness testing on Android and iOS devices.

6. Roles and Responsibilities

- Test Manager: Oversees the entire testing process and ensures timely execution.

- QA Engineers: Write test cases, execute tests, report bugs, and verify fixes.

- Developers: Fix bugs reported during testing.

- Project Manager: Ensures alignment with business goals and timelines.

7. Test Schedule

Phase	Start Date	End Date
Test Planning	02/04/2025	02/04/2025
Test Case Design	02/04/2025	02/04/2025
Test Execution	02/04/2025	02/04/2025
Bug Fixing & Retesting	02/04/2025	02/04/2025
Final Testing & Sign-off	02/04/2025	02/04/2025

8. Test Deliverables

- Test Plan Document

- Test Cases and Test Scenarios
- Bug Reports

- Test Execution Report
- Final Test Summary Report

9. Entry & Exit Criteria

Entry Criteria:

- The development team has delivered a testable build.

- Required test data is available.

- The test environment is set up and ready.

Exit Criteria:

- All critical and major bugs are fixed.

- Test cases have been executed with a high pass percentage.

- Test reports have been reviewed and approved.

10. Tools

- Test Management: Google sheet, Google Docs

- Bug Tracking: GitHub

- Automation Tools (if applicable): Cypress, Selenium

- Browser Testing: Chrome DevTools, BrowserStack

11. Risks and Mitigation Plans

Risk	Mitigation Plan
Unclear requirements leading to scope creep	Regular meetings with stakeholders to clarify scope
Browser compatibility issues	Test on multiple browsers and screen sizes
Delayed bug fixes affecting test execution	Prioritize bugs based on severity and impact
Lack of test data for edge cases	Create a robust test data strategy

Conclusion

This test plan ensures a structured approach to testing the Notes Makers web application, aiming for a bug-free and user-friendly product. Testing will be conducted rigorously to ensure high quality and reliability before release.