NoteMaster

Test Plan

Notes-Makers

1. Introduction

This document outlines the test plan for the **Notes-Makers Website** (https://notes-makers.vercel.app/pages/notes). The goal of testing is to ensure the website functions correctly, provides a smooth user experience, and meets business and technical requirements.

Project Overview

The **Notes-Makers** application allows users to create, edit, save, and manage notes online. Users can interact with features such as adding, deleting, and organizing notes, along with additional functionalities like search, export, and sharing.

2. Test Scope

The test will cover the following functionalities:

User Authentication (Login, Registration)

Dashboard & Navigation

Create, Edit, and Delete Notes

Search & Filter Notes

Export and Share Notes

UI/UX Testing (Responsive Design, Accessibility)

Security Testing (Authentication, Authorization)

Performance & Load Testing

3. Test Objectives

- Ensure all core functionalities work as expected.
- Validate UI components for proper alignment, responsiveness, and usability.
- Detect and report usability and functionality defects.
- Ensure proper integration between different modules.
- Verify the application handles multiple users efficiently.

4. Test Strategy

Test Types

- **Functional Testing:** Validate features like creating, saving, and deleting notes.
- **UI/UX Testing:** Check page layout, responsiveness, and color contrast.
- **Regression Testing:** Ensure that updates do not break existing functionality.
- **Security Testing:** Test for unauthorized access, session management, and encryption.
- **Performance Testing:** Measure website speed, response time, and ability to handle concurrent users.
- **Cross-Browser Testing:** Check compatibility on Chrome, Firefox, Edge, and Safari.
- **Mobile Testing:** Verify UI and functionality on mobile devices.

Test Environment

- **Operating Systems:** Windows 10/11, macOS
- **Browsers:** Chrome (latest), Firefox, Edge
- **Devices:** Desktop, Tablet, Mobile (Android/iOS)

5. Test Scenarios

User Authentication

◆ Verify that users can register with valid credentials.

◆ Ensure error messages appear for invalid email/password.

◆ Test login/logout functionality.

◆ Validate "Forgot Password" and password reset functionality.

Dashboard & Navigation

◆ Ensure dashboard loads correctly with existing notes.

◆ Test navigation between different pages.

◆ Check the sidebar menu for accessibility and functionality.

Create, Edit, and Delete Notes

◆ Verify users can create a new note and save it.

◆ Ensure users can edit a note and save changes.

◆ Test the delete note functionality with a confirmation prompt.

◆ Validate that autosave works properly (if applicable).

Search & Filter Notes

◆ Check if the search function retrieves relevant notes.

◆ Validate filters based on date, tags, or categories (if available).

Export and Share Notes

◆ Verify users can export notes as PDF, Word, or TXT (if supported).

◆ Test the share functionality via email or a direct link.

UI/UX Testing

◆ Ensure the website is responsive on desktop, tablet, and mobile.

◆ Validate that fonts, colors, and spacing are consistent.

◆ Check accessibility for screen readers and keyboard navigation.

Security Testing

◆ Ensure sensitive data (e.g., passwords) are encrypted.
◆ Test session expiration after inactivity.
◆ Check if unauthorized users can access private notes.

Performance Testing

◆ Measure page load time and optimize slow-loading elements.
◆ Test the website under high traffic conditions.

Cross-Browser Testing

◆ Verify that all features work on Chrome, Firefox, Edge, and Safari.
◆ Check UI consistency across browsers.

6. Entry and Exit Criteria

Entry Criteria

Test environment setup is complete.
Application features are deployed and stable.
Test cases and test data are prepared.

Exit Criteria

All high-priority defects are resolved.
Test execution is completed and documented.
Business requirements are met without major issues.

7. Test Deliverables

📌 **Test Cases Document** – List of all test cases executed.
📌 **Bug Reports** – Documented defects with screenshots/logs.
📌 **Test Execution Report** – Summary of passed/failed test cases.
📌 **Final Test Summary Report** – Overall testing results and recommendations.

8. Test Schedule & Timeline

Activity	Start Date	End Date	Owner
Test Planning	02-04-2025	03-04-2025	Test Lead
Test Case Design	02-04-2025	03-04-2025	Test Team
Test Execution	02-04-2025	03-04-2025	Testers
Bug Reporting & Fixing	02-04-2025	03-04-2025	Dev & QA Team
Regression Testing	02-04-2025	03-04-2025	Testers
Final Sign-Off	02-04-2025	03-04-2025	Test Manager

9. Risks & Mitigation

Risk	Mitigation Strategy
UI inconsistencies on different devices	Conduct cross-browser and mobile testing
Application crashes during heavy load	Perform load testing and optimize API calls
Data loss during editing or saving	Implement autosave and database backups
Unauthorized access to notes	Strengthen authentication and authorization security
Slow response time	Optimize backend performance and reduce API response time

11.Approval

Role	Name	Status
Prepared by	QA Lead	Approved
Reviewed by	Development Team	Pooja Yadav
Approved by	Project Manager	Des Technico