TEST PLAN

"WriteWave"

1. ==Introduction==

This test plan outlines the testing approach for the WriteWave collaborative writing platform. It aims to ensure that the application meets functional, performance, security, and usability standards before release.

2. ==Objective==

- Ensure WriteWave's core functionalities work as expected.

- Identify and resolve defects to enhance the user experience.

- Verify system stability, security, and performance.

3. ==Scope==

This test plan covers the following WriteWave features:

- Text Editor: Real-time collaborative editing, formatting, and saving.

- User Management: Registration, login, and role-based access.

- Document Sharing & Exporting: Downloading and sharing content.

- Responsive Design: Ensuring usability across mobile, tablet, and desktop.

4. ==Testable Features==

- Functional Testing:

 - Document creation and editing.

 - User authentication and access control.

 - File export and sharing features.

- UI/UX Testing:

 - Layout consistency and user-friendly design.

 - Cross-device and cross-browser responsiveness.

- Security Testing:

 - Authentication, authorization, and data protection.

- Performance Testing:

 - Load testing to evaluate system stability.

5. *Testing Approach*

- Manual Testing: Functional, UI/UX, and exploratory testing.

- Automation Testing: Regression tests using Selenium/Cypress.

- Performance Testing: Load and stress testing.

- Security Testing: Vulnerability assessments.

6. *Roles &*

Responsibilities

- Develop and execute test cases.

- Log defects with detailed reproduction steps.

- Automate critical test scenarios.

- Communicate effectively with developers.

Developers

- Resolve reported defects.

- Implement necessary changes based on test findings.

Project Manager

- Monitor testing progress.

- Ensure test completion within timelines.

7. *Test Schedule*

Test Plan Creation :- Day 1

Test Case Development :- Day 1 |

Test Execution & Bug Reporting :-Day 2

8. *Test Deliverables*

- Test Plan Document: Defines testing scope and approach.

- Test Cases & Execution Reports: Lists test scenarios and execution results.

- Defect Reports: Includes details of identified bugs.

- Final QA Sign-off Report: Confirms product readiness for release.

9. Entry & Exit Criteria

Entry Criteria:

- Feature development is complete.

- Test environment is set up.

- Functional requirements are available.

Exit Criteria:

- All high and critical defects are resolved.

- Regression testing is successful.

- Stakeholder approval is obtained.

10. Tools

- Jira: Defect tracking.

- Selenium/Cypress: Test automation.

- Postman: API testing.

11. Risks & Mitigation

- Establish a dedicated test environment.
- Prioritize critical and high-impact bugs.
- Maintain clear communication with the development team.

12. Approval

Approval is required from stakeholders before proceeding with the next testing phase. The testing process will only continue after all test documents are reviewed and signed off.

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