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The aim of this document is to give an overview of the testing approach, strategies, and scope for the WriteWave Website. This document includes details like scope of the project, objectives, test schedule and resource allocations, test deliverables and reports.

AUT : https://write-wave-gamma.vercel.app/**.**

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. Ensure core functionalities (document creation, editing,

sharing, authentication) work as expected.

. Identify UI/UX inconsistencies across devices.

. Validate real-time collaboration and text formatting

features.

**Scope.**

**Functional Testing:** Verify document creation, editing, collaboration, and file export.

**Authentication & Authorization:** Test login, signup, role-based access.

**UI Responsiveness:** Check layout and usability across mobile, tablet, and desktop.

**Test Approach**

**Test Types:** Functional, UI, Compatibility, Regression

**Test Environment:** Chrome, Firefox, Safari, Edge (Desktop & Mobile)

**Test Data:** Valid & invalid user credentials, sample documents with different content styles.

**Test Environment**

Browsers: Chrome, Firefox, Safari.

Devices: Desktop, Mobile (iOS, Android).

**Test Items.**

**.** **Document Creation & Editing.**

**. User Authentication & Authorization.**

**. File Export & Sharing.**

**. UI Responsiveness.**

**Roles/Responsibilities.**

| **Name** | **Role** | **Responsibilities** |
| --- | --- | --- |
| Sonu Singh | Test Engineer | . Understand customer requirements.  . Write Test scenarios & Test cases.  . Executing the Test cases.  . Performing root cause analysis to  identify underlying issues  . Defect tracking and reporting. |
| Sonu Singh | Test Lead | . Develop test plans and strategies in  alignment with project objectives and  requirements.  . Monitor and manage risks throughout  the testing life cycle  . Assign tasks, set priorities. |

**Test Schedule**

Following is the test schedule planned for the project.

| **Task** | **Time Duration** |
| --- | --- |
| Test plan creation | 17 March 2025 |
| Test cases creation | 17 March 2025 |
| Test case execution | 17 March 2025 |
|  |  |
|  |  |

**Test Deliverables**

The following are to be delivered to the client.

| Deliverables | Description | Responsible  Owner | Target completion date |
| --- | --- | --- | --- |
| Test Plan | Outlines the testing approach,  strategies, and scope for the  WriteWave Website. | Masai | 17 March 2025 |
| Test Cases | Test Cases created for both  functional testing and  compatibility testing | Masai | 17 March 2025 |
| Bug Report | Detailed description of the  defects identified in different  versions of application | Masai | 17 March 2025 |

**Entry and Exit Criteria**

The below are the entry and exit criteria for every phase of Software Testing Life Cycle:

**Requirement Analysis.**

**Entry Criteria:**

Once the testing team receives the Requirements documents and use documents of the project.Includes what functions need to be tested and how the software should behave.

**Exit Criteria:**

The testing team should thoroughly explore and understand each requirement listed in the documents.Any doubts or uncertainties regarding the requirements should be addressed and clarified to ensure that the testing team has a clear understanding of what needs to be tested and how it should behave.

**Test Planning.**

**Entry Criteria:**

Testable Requirements derived from the given Requirements documents.Test Plan document includes the Test Strategy, which provides a high-level overview of how testing will be conducted.

**Exit Criteria:**

The Test Plan is signed-off by the Manager.

**Test Designing.**

**Entry Criteria:**

The Test Plan document needs to be reviewed and approved by the Manager and then the Test Plan Document is signed-off by the Manager.

**Exit Criteria:**

Test Scenarios and Test Cases Documents are prepared, they need to be reviewed and signed-off by the Manager.

**Test Execution.**

**Entry Criteria:**

Test Scenarios and Test Cases document needs to be reviewed and approved by the Manager and documents are signed-off by the Manager.Application is ready for further Testing.

**Exit Criteria:**

Test Case Reports, Defect Reports are ready Test Closure.

**Entry Criteria:**

Test Case Reports, Defect Reports are ready.

**Exit Criteria:**

Test Summary Reports, it overviews the entire testing process.

**Tools.**

The following are the list of Tools we will be using in this Project:

**.** X mind map Tool

**.** Jira - Project management tool

**.** Zephyr- Test Management

**.** Microsoft Teams - collaboration

**Risks and Mitigation plans:**

The following are the list of risks possible and the ways to mitigate them.

| Risk | Mitigation plans |
| --- | --- |
| Insufficient time to perform thorough testing, which might lead to incomplete testing or missed defects | Prioritise critical test cases based on the risk and impact. Implement a phased testing approach to focus on the most critical areas first. Consider adding overtime or extra resources if needed. |
| The testing environment (e.g., servers, networks) may not be ready or may malfunction during the testing process. | Set up test environments early in the project. Maintain backups of critical environments, and ensure quick access to technical support to resolve any issues that arise |

**Approvals.**

Project Manager: [ ].

Date : 17/03/2024.