

## **TSET PLAN**

**Project Name - Secure File Sharing**

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**Date: 11/04/2025**

## Introduction

The aim of this project is to give an overview of the testing approach, strategies and scope for the Secure File Sharing web application. This includes details like scope of the project, objective, test schedule, test deliverables and reports.

AUT: <https://file-sharing-application.netlify.app/login>

## Objective

- Ensure the functionality of key features like Signup, Login, Logout, File upload.
- validate the usability of the website for a user experience
- verify the performance of the site ,including load times and responsiveness

## Scope

This test plan covers:

- Functional Testing: Ensuring all features work as expected.
- Compatibility Testing: Verifying functionality across multiple browsers and devices.
- Usability Testing: Verifying the user experience.
- Performance Testing: Measuring website responsiveness and scalability.

## Testable Features

- Home Page
- Signup Page
- Login Page
- File Upload
- Logout Feature
- Navigation and Footer Links
- Responsive Testing

## Testing Approach

### Testing Types

- Functional Testing
- Compatibility Testing
- Performance Testing
- UI/UX Testing
- Regression Testing
- End-to-End Testing

Testing Methodologies

- Black-box Testing
- White-box Testing
- Exploratory Testing

Environment Requirements

- Devices:
  - OS: Windows 10
- Browsers:
  - Chrome
  - Firefox

Roles and Responsibility

Name	Role	Responsibilities
Satyajit Sahu	Test Engineer	<ul style="list-style-type: none"><li>✓ Understand customer requirements.</li><li>✓ Write Test scenarios &amp;Test cases.</li><li>✓ Executing the Test cases.</li><li>✓ Performing root cause analysis to identify underlying issues.</li><li>✓ Defect tracking and reporting.</li><li>✓ Write Automation Test Scripts</li><li>✓ Execute automation scripts</li></ul>

Test Schedule

Following is the test schedule planned for the project:

Task	Time Duration
Test Plan Creation	11/04/2025
Test Scenario and Test Case Creation	11/04/2025
Test Case Execution	11/04/2025
Bug Report Creation	11/04/2025
Summary Report Submission	12/04/2025

## 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 Secure File Sharing application.	WorkWise	11/04/2025
Test Case	Test Cases were created for both functional testing, performance testing, and usability testing.	WorkWise	11/04/2025
Defect Reports	A detailed description of the defects identified in different versions of the application.	WorkWise	11/04/2025

## 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 needs 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:** Test Plan is signed-off by the Client

### Test Designing

- **Entry Criteria:** The Test Plan document needs to be reviewed and approved by the client and then Test Plan Document is signed-off by the Client.
- **Exit Criteria:** Test Scenarios and Test Cases Documents are prepared, they need to be reviewed and signed-off by the Client.

### Test Execution

- **Entry Criteria:** Test Scenarios and Test Cases document needs to be reviewed and approved by the client and documents are signed-off by the Client. Application is ready for further Testing.

- **Exit Criteria:** Test Case Reports, and Defect Reports are ready.

## Test Closure

- **Entry Criteria:** Test Case Reports, and Defect Reports are ready.
- **Exit Criteria:** Test Summary Reports, it overview of the entire testing process.

## Tools

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

- Microsoft Word
- Excel Sheet
- Selenium
- Java
- Git
- IntelliJ

## Risk and Mitigation plans

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

Risk	Mitigation Plan
Undefined Requirements	Subject matter expert discussions
Lack of Automation Testers	Backup resource planning
Browser Compatibility Issues	Early compatibility testing

## Approvals

Masai will send different types of documents for Client Approval like below:

- Test Plan
- Test Scenarios
- Test Cases
- Reports

Testing will only continue to the next steps once these approvals are done.