**Test Plan for File Sharing Application**

**1. Introduction**

The purpose of this test plan is to outline the testing strategy for the **File Sharing Application**. It includes the scope, objectives, test approach, roles, responsibilities, and deliverables to ensure the system functions correctly and meets requirements.

## **2. Objectives**

* **Sign Up:** Ensure users can create accounts securely
* **Login:** Implement secure authentication mechanisms
* **File Upload:** Enable users to upload files with encryption and access control.

## **3. Scope**

The test plan covers **functional, usability, security, and performance testing** of the LMS, focusing on:

* **User Authentication** (Sign Up, Login, Password Reset)
* **File Upload & Sharing** (Secure file storage, access control, password-protected sharing).

## **4. Test Approach**

### **4.1 Testing Types**

* Functional Testing
* Usability Testing

### **4.2 Testing Methodologies**

* Black-Box Testing
* User Acceptance Testing (UAT)

### **4.3 Testing Environment**

* **UAT & Pre-Prod Environment**
* **Operating Systems:** Windows 11,
* **Browsers:** Chrome, Firefox, Edge

## **5. Testable Features**

* Sign Up (Email verification, Password encryption)
* Login (Secure authentication, Forgot password)
* Password reset functionality
* Upload files (Drag & Drop, Browse).

### **1. UI & Usability Testing**

* Verify UI components and layout
* Check responsiveness across devices
* Validate accessibility compliance

## **6. Roles and Responsibilities**

* **Test Lead:** Oversee the testing process and ensure timely execution
* **QA Engineers:** Write test cases, execute tests, and report defects
* **Developers:** Fix defects and improve system stability
* **Business Analyst:** Validate system compliance with requirements

## **7. Entry and Exit Criteria**

### **7.1 Entry Criteria**

* Requirement document finalized
* Test environment set up
* Test cases reviewed and approved

### **7.2 Exit Criteria**

* All test cases executed
* Defects reported and resolved
* Test summary report submitted

## **8. Test Deliverables**

* Test Plan Document
* Test Cases
* Defect Report
* Suggestions for Improvements
* Test Summary Report

## **9. Test Schedule**

1. **Test Plan Creation**
2. **Mind Map Creation**
3. **Test Scenario & Test Case Development**
4. **Test Execution**
5. **Defect Reporting & Fixing**
6. **Final Summary Report Submission**