**Test Plan for File Sharing Application Login**

**1. Introduction**

The purpose of this test plan is to ensure that the login functionality of the **File Sharing Application** (https://file-sharing-application.netlify.app/) works as expected. The plan outlines the objectives, scope, test scenarios, test cases, and defect management process.

**2. Objective**

* Verify that the login functionality allows valid users to access the system.
* Ensure incorrect login attempts return appropriate error messages.
* Validate security measures like password protection and account lockout.

**3. Scope of Testing**

* Functional testing of login feature.
* Usability testing to ensure smooth user experience.
* Security testing for authentication validation.
* Compatibility testing across different browsers and devices.

**4. Features to be Tested**

* Valid login
* Invalid login (wrong credentials, empty fields, locked accounts)
* Forgot password functionality
* Logout functionality
* UI elements on the login page

**5. Testing Strategy**

* Manual and automated testing approach.
* Positive and negative test cases.
* Cross-browser compatibility testing.
* Regression testing after bug fixes.

**6. Testing Environment Setup**

* Operating Systems: Windows, macOS, Linux
* Browsers: Chrome, Firefox, Edge, Safari
* Network: Stable internet connection

**7. Test Deliverables**

* Test Plan
* Test Scenarios
* Test Cases
* Bug Reports
* Test Summary Report

**8. Test Schedule**

|  |  |  |
| --- | --- | --- |
| **Activity** | **Start Date** | **End Date** |
| Test Plan Creation | 02-Apr-2025 | 03-Apr-2025 |
| Test Case Execution | 04-Apr-2025 | 06-Apr-2025 |
| Bug Reporting & Fixing | 07-Apr-2025 | 09-Apr-2025 |
| Test Summary Report | 10-Apr-2025 | 11-Apr-2025 |

**9. Entry and Exit Criteria**

**Entry Criteria:**

* Application login page is ready for testing.
* Test environment is set up.
* Test cases are prepared and reviewed.

**Exit Criteria:**

* All test cases are executed.
* Critical defects are fixed and re-tested.
* Test summary report is generated.

**10. Risks and Mitigation**

|  |  |
| --- | --- |
| Risk | Mitigation Strategy |
| Unstable application build | Communicate with developers for fixes before testing |
| Delayed bug fixes | Prioritize high-severity bugs |
| Browser compatibility issues | Perform cross-browser testing |

**11. Roles and Responsibilities**

* **Test Manager**: Pooja Yadav
* **Test Engineer**: Gandla Pavan.
* **Developer**: Fixes defects reported during testing.

**12. Tools and Resources**

* **Tools**: Selenium
* **Resources**: MS EXCEL, Test environment, test data, user credentials