**Test Plan Document**

### **Project Name:**

Feature – Login Functionality

**Prepared By:**

Shweta Sati – QA Analyst

### **Date:**

June 2024

## **1. Objective**

The objective of this test plan is to outline the testing approach for validating the **Login functionality** across web and mobile platforms. This ensures secure, consistent user authentication and error handling.

## **2. Scope**

### **In Scope**

* Login via email and password (valid/invalid)
* Error message validation (e.g., incorrect credentials)
* "Forgot Password" link

### **Out of Scope**

* Social logins (e.g. Google, Facebook)
* Signup/registration flow
* Backend authentication service testing (handled by devs)

## **3. Test Strategy**

| **Type of Testing** | **Description** |
| --- | --- |
| Functional Testing | Validate login logic, UI elements, errors |
| Regression Testing | Ensure existing functionality isn't broken |
| UI Testing | Check design consistency, responsiveness |
| Negative Testing | Input validation and error handling |
| Compatibility | Cross-browser and mobile device testing |

## **4. Test Environment**

| **Component** | **Tools/Tech** |
| --- | --- |
| OS/Devices | macOS, Android, iOS |
| Browsers | Chrome, Firefox, Safari, Edge |
| Tools | Chrome DevTools, Android Studio, Xcode, Jira, TestRail |
| Test Data | Valid/Invalid credentials, locked user accounts, old user accounts |

## **5. Test Deliverables**

* Test Plan Document (this doc)
* Test Case Document (Excel or TestRail)
* Bug Reports (via Jira)
* Test Summary Report after execution

## **6. Roles & Responsibilities**

| **Role** | **Name** | **Responsibility** |
| --- | --- | --- |
| QA Analyst | Shweta Sati | Write and execute test cases, log bugs |
| Developer | Assigned Dev | Fix bugs and support QA |
| Product Owner | Product Manager | Requirement clarifications |

## **7. Entry & Exit Criteria**

### **Entry Criteria**

* Login feature is deployed to QA environment
* Requirements and acceptance criteria are finalized
* Test data is available

### **Exit Criteria**

* All planned test cases are executed
* No Critical/High severity bugs remain open
* Test summary reviewed and approved by stakeholders

## **8. Risk & Mitigation**

| **Risk** | **Mitigation Plan** |
| --- | --- |
| Delayed build from development | Communicate with dev early; prioritize testing |
| Incomplete requirements | Follow up with PM; document assumptions |
| Cross-browser issues missed | Use BrowserStack or local device testing |

## **9. Timeline**

| **Task** | **Dates (Estimated)** |
| --- | --- |
| Test Planning | June 5 – June 6 |
| Test Case Design | June 6 – June 8 |
| Test Execution | June 9 – June 12 |
| Bug Reporting/Retest | June 9 – June 13 |
| Test Summary Report | June 14 |