**Facebook Login and Signup Testing Project - Manual Test Plan**

**Test Plan ID:** FB-AUTH-TP-001  
**Test Plan Name:** Facebook Login & Signup Functionality Test Plan  
**Author:** Dalonda Ikhimokpa  
**Creation Date:** Feb. 1, 2025  
**Version:** 1.0

**1. Introduction**

**1.1 Purpose**

This manual test plan outlines the approach for testing the login and signup functionality of Facebook. The objective is to validate functionality, security, and usability through manual test execution.

**1.2 Scope**

* Functional testing of login and signup workflows.
* Usability testing for UI/UX improvements.
* Validation of error handling and system responses.
* Login functionality (valid/invalid credentials, password reset)
* Signup functionality (new user registration, email verification)
* Error handling and validation messages
* Session management

**1.3 Test Approach**

* Manual execution of predefined test cases.
* Execution across multiple browsers (Chrome, Firefox, Edge, Safari) and devices (Windows, macOS, Android, iOS).
* Defect logging and tracking via JIRA.
* Testing performed in pre-production and production-like environments.

**1.4 Test Environment:**

* Chrome v120+
* Firefox v115+
* iOS Safari 16+
* Android Chrome

**2. Test Items**

**2.1 Features to be Tested**

* User login with valid credentials.
* Login with invalid credentials.
* Password reset functionality.
* Signup with valid details.
* Signup with invalid details (e.g., incorrect email format, weak password).
* Social login via Google and Apple accounts.
* Error handling and validation messages.

**2.2 Features Not to be Tested**

* Backend database performance.
* Third-party API integrations outside authentication.

**3. Test Execution Plan**

**3.1 Test Pass/Fail Criteria**

* A test case passes if all steps execute as expected.
* A test case fails if any step results in unexpected behavior.
* A test case is blocked if an external dependency prevents execution.

**3.2 Entry and Exit Criteria**

| **Entry Criteria** | **Exit Criteria** |
| --- | --- |
| Approved manual test cases are available. | All test cases executed at least once. |
| Test environment is set up and accessible. | No critical/blocker defects remain. |
| Required tools and credentials are provided. | Test summary report is completed. |

**3.3 Test Deliverables**

* Test case document (Excel or TestRail).
* Bug reports (JIRA tickets).
* Test summary report.

**4. Test Cases Overview**

| **Test Case ID** | **Scenario** | **Steps** | **Expected Result** | **Status** |
| --- | --- | --- | --- | --- |
| TC001 | Login with valid credentials | 1. Open Facebook. 2. Enter valid email and password. 3. Click Login. | User is logged in successfully. | Pending |
| TC002 | Login with invalid password | 1. Open Facebook. 2. Enter valid email and wrong password. 3. Click Login. | Error message displayed. | Pending |
| TC003 | Signup with valid details | 1. Open Facebook. 2. Click Create New Account. 3. Fill valid details. 4. Click Sign Up. | Account created and redirected to email verification. | Pending |
| TC004 | Signup with invalid email | 1. Open Facebook. 2. Click Create New Account. 3. Enter invalid email. 4. Click Sign Up. | Error message displayed. | Pending |
| TC005 | Password reset with valid email | 1. Open Facebook. 2. Click “Forgot Password.” 3. Enter registered email. 4. Click “Reset Password.” | Password reset link sent. | Pending |
| TC006 | Password reset with invalid email | 1. Open Facebook. 2. Click “Forgot Password.” 3. Enter unregistered email. 4. Click “Reset Password.” | Error message displayed. | Pending |

**5. Risk and Mitigation**

| **Risk** | **Probability** | **Impact** | **Mitigation** |
| --- | --- | --- | --- |
| Test environment instability | High | High | Ensure early environment setup and backups. |
| Unexpected UI changes | Medium | Medium | Keep test cases flexible for minor UI updates. |
| Limited test data availability | Medium | High | Request test data access in advance. |

**6. Test Environment**

* **Browsers:** Chrome, Firefox, Safari, Edge (latest versions).
* **Devices:** Windows 10/11, macOS, Android (Pixel, Samsung), iOS (iPhone 12+).
* **Test Management Tools:** JIRA, TestRail.

**7. Test Schedule**

| **Phase** | **Start Date** | **End Date** |
| --- | --- | --- |
| Test Planning | Feb 10, 2025 | Feb 14, 2025 |
| Test Case Design | Feb 15, 2025 | Feb 18, 2025 |
| Test Execution | Feb 19, 2025 | Feb 25, 2025 |
| UAT Cycle | Feb 26, 2025 | Mar 1, 2025 |
| Bug Reporting & Fix Verification | Feb 26, 2025 | Mar 1, 2025 |
| Test Closure | Mar 2, 2025 | Mar 3, 2025 |

**8. Approval**

**Test Lead:** *(Dalonda Ikhimokpa)*  
**Approval Date:** *(15/2/25)*