FaceBook Application

Master Test Plan

**Test Plan for Facebook Application**

TP-P01

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V.01

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# **1.Introduction**

This document outlines the test plan for the **Facebook Application**.  
The testing will verify the main functionalities of the app, including login, posting, friend management, and events. The test plan defines the approach, scope, test methodology, and deliverables needed to ensure the Facebook app meets the required quality and reliability standards.

# **2. Scope**

The initial phase will include all ‘must have’ requirements. These and any other requirements that get included must all be tested.

## **2.1 In scope:**

**Login**

**Post Features**

* Create post (text, photo, video)
* Like, Comment, Share actions
* Edit and delete post

**Friend Management**

* Send/accept/reject friend requests
* Delete/block friends
* View online friends

**Events**

* Create events

## **2.2 Out Scope:**

* Performance, load, and stress testing
* API testing
* Notification

# **3.Test Schedule:**

| **Feature** | **Test Days** |
| --- | --- |
| **Login** | 1 day |
| Post-related features (Create, Like, Comment, Share) | 2 days |
| Friend management | 2 days |
| Event creation & participation | 2 days |

# **4.Test Approach:**

The project follows the Agile methodology, where development is organized into iterative sprints. At the end of each iteration, it goes to testing activities.

## **4.1** **Test Automation:**

Automated functional tests will be implemented using Appium with Java (Eclipse IDE).

Device testing will be performed on emulators (Android Studio) and real devices (Android/iOS where possible).

Appium Inspector will be used to identify mobile UI elements and generate XPath/locators.

No performance or load automation is included at this stage.

# **5.suspension criteria and resumption requirements:**

Suspension Criteria: Testing will be suspended if critical defects, incomplete features, or environment issues prevent test execution.

Resumption Requirements: Testing will resume once the issues are resolved, and a stable build is available for testing.

# **6.Test Deliverable:**

| **Before Testing** |
| --- |
| Test Plan |
| Test Cases |
| Appium Framework setup (Appium + Java + TestNG) |
| Emulator setup |
| Test Data preparation |
| GitHub repository structure |
| **During Testing** |
| Appium TestNG Automation Scripts |
| Test Execution Reports (TestNG / Extent Reports) |
| Execution Logs & Screenshots (for failed cases) |
| Defect Reports |
| **After Testing** |
| Test summary report |

# **7. Entry & Exit Criteria**

## **7.1 Entry Criteria**

# Latest Facebook build deployed on devices/emulators

# Test data prepared and validated

# Automation framework stable and functional

# Test environment accessible

## **7.2 Exit Criteria**

# All critical automated test cases passed

# No major defects remain unresolved

# Final summary report approved

# Identified risks addressed

# **8.Responsibilities**

| **Role** | **Responsibilities** |
| --- | --- |
| Test Manager | Overall Test Strategy,Resource Management,Planning and Execution ,Risk Management |
| Test Analyst | Requirement analysis,test design ,test execution,reporting |
| Tester | Test case creation (Appium Scripts). Execution on emulators,defect reporting |
| Test Lead | Team leadership |

# **9.Resource Planning**

* **Human Resources:** QA Lead, Test Engineers, Developer (for defect fixing), Project Manager/Product Owner (for coordination and prioritization)
* **Hardware Requirements:** PCs/Laptops
* **Software Requirements:** Test management tools (e.g., Trello), Appium Server, Appium Inspector, Android Studio, Eclipse (Java).

# **10.Risk Management**

| **Risk** |
| --- |
| Requirements not clearly defined |
| Delays in test environment setup |
| Not stable test scripts due to dynamic elements |
| Incomplete automation coverage due to time constraints |

# **11.Approval**

| **Name** | **Role** | **Approval Status** | **Date** |
| --- | --- | --- | --- |
| Zaid Jaber | QA Engineer | Approved | **17/9/2025** |
| Nagham Taweel | QA Engineer | Approved | **17/9/2025** |
| Mesk Alrayyes | QA Engineer | Approved | **17/9/2025** |