Tinder Mini

Version 1.0

Revision History

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| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| 02/01/2023 | 1.0 | In the test plan, you need to list the features needed for testing. | Ho Si Duc  Nguyen Van Hieu |
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# Introduction

Test plan is a detailed document outlining test strategy, Test Objectives, resources (manpower, software, hardware) required for testing, test scheduling, Test Estimate and deliverable products. Test Plan serves as a blueprint for conducting software testing activities as a defined process, monitored and controlled step by step by Test Manager.

Creating a test plan for the testing process gives us the following benefits:

* Test Plan helps us to determine the effort required to validate the quality of the application under test
* Help people outside the testing team like developers, business managers, and customers understand the details of testing.
* Tes Plan guides our thinking. It's like a rule book, which needs to be followed.
* Important aspects like Test Estimation, Test Scope, Test Strategy are recorded in the Test Plan, so the management team can review and reuse them for other projects.

The main feature of this test plan is to identify Target test items, Environment needs, Responsibilities, Staffing, and Training Needs.

# Target Test Items

Software items include features and areas to check:

* Usability, Performance, Security.
* Automation testing approaches: Keyword-Driven Testing.
* Unit Testing and System Testing.

# Environmental Needs

## Hardware Requirements

To be able to launch and test the Tinder Mini application, we need a smartphone running the Android operating system with the specific mid-range configuration as follows:

* Chip: CPU 2.5 GHz 4 Cores.
* RAM: 2 GB.
* Version: Android Pie 9.0 or higher.
* Free memory space: 500 MB or more.

## Software in the Test Environment

The following base software elements are required in the test environment for this *Test Plan*.

| **Software Name** | **Purpose** | **Version** | **Type and Other Notes** |
| --- | --- | --- | --- |
| Android | Operating system | 9.0 | Operating System |
| Android Studio | Start the virtual machine | 2021.3.1 | Intergrated Development Environment |
| Katalon Studio | Automated testing software | 8.5.5 | Automated testing software |

## Productivity and Support Tools

The following tools will be employed to support the test process for this *Test Plan*.

| **Tool Category or Type** | **Tool Brand Name** | **Vendor or In-house** | **Version** |
| --- | --- | --- | --- |
| Automated testing software | Katalon Studio | KMS | 8.5.5 |
| Defect Tracking | Microsoft Excel | Microsoft | 365 |
| Test reporting | PDF | Foxit Reader | 12 |
| Check list creating | Microsoft Excel | Microsoft | 365 |

# Responsibilities, Staffing, and Training Needs

## People and Roles

This table shows the staffing assumptions for the test effort.

| **Human Resources** | | |
| --- | --- | --- |
| **Role** | **Minimum Resources Recommended**  **(Number of full-time roles allocated)** | **Specific Responsibilities or Comments** |
| Test Manager | 1 | Provides management oversight.  Responsibilities include:   * planning and logistics * agree mission * identify motivators * acquire appropriate resources * present management reporting * advocate the interests of test * evaluate effectiveness of test effort |
| Tester | 3 | Implements and executes the tests.  Responsibilities include:   * implement tests and test suites * execute test suites * log results * analyse and recover from test failures * document incidents |
| Test System Administrator | 1 | Ensures test environment and assets are managed and maintained.  Responsibilities include:   * administer test management system * install and support access to, and recovery of, test environment configurations and test labs |

# Functions to be tested

- Register an account by email.

- Verify email.

- Login account by email.

- Sign in with your Google account.

- Forgot password.

- Display matchable object information.

- Swipe left (Dislike).

- Swipe right (Like).

- Match.

- Update information.

- Upload avatar.

- Chat messages.

- Chat pictures.

- Phone/Video call.