
Team 16

**Tinder Mini
Iteration/ Master Test Plan**

Version 1.0

Tinder Mini	Version: 1.0
<Iteration/ Master> Test Plan	Date: 02/01/2023

Revision History

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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Iteration/ Master Test Plan

1. 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.
- Test 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.

2. 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.

3. Environmental Needs

3.1 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.

3.2 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	Integrated Development Environment
Katalon Studio	Automated testing software	8.5.5	Automated testing software

3.3 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

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Tool Category or Type	Tool Brand Name	Vendor or In-house	Version
Defect Tracking	Microsoft Excel	Microsoft	365
Test reporting	PDF	Foxit Reader	12
Check list creating	Microsoft Excel	Microsoft	365

4. Responsibilities, Staffing, and Training Needs

4.1 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: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • administer test management system • install and support access to, and recovery of, test environment configurations and test labs

5. Functions to be tested

- Register an account by email.

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- 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.