Group 09

VFund
<Iteration/ Master> Test Plan

Version <1.0>

Revision History

Date	Version	Description	Author
11/01/2021	1.0	Preliminary	Võ Minh Lâm
15/01/2021	1.1	Update Hardware Requirement	Nguyễn Duy Thiên Kim

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<Iteration/ Master> Test Plan

1. Introduction

1.1 Purpose

A **Test Plan** is a detailed document that describes the test strategy, objectives, schedule, estimation, deliverables, and resources required to perform testing for a software product. Test Plan helps Testers determine the effort needed to validate the quality of the application under test. The test plan serves as a blueprint to conduct software testing activities as a defined process, which is minutely monitored and controlled by the test manager.

Important aspects like test estimation, test scope, test strategy are documented in Test Plan, so it can be reviewed by Management Team and re-used for other projects.

2. Target Test Items

There are some key software items and areas for testing, including:

- Login screen: functional, performance, usability
- Donate: functional, performance, usability
- Create new fundraising event: functional, usability
- Follow event: functional, performance

3. Environmental Needs

3.1 Hardware Requirements

For being able to have effective testing, the platform running application must to meet following requirements:

- At least 1 GB RAM for android device platform supporting version 5.0 above, and having access to the Internet.
- The server needs to be running on the system which meets mid-range configuration and has stable network connection.

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	Test client application with functional, performance, usability	Above 5.0	Operating System
Windows 10, 64 bit	Test server application with functional, performance	Newest	Operating System

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
Defect Tracking	Google Sheet	Google	Newest
Bug Report	Google Sheet	Google	Newest
Defect Tracking	Katalon Studio	Katalon LLC	7.8.2

Test Planning	Google Doc	Google	Newest

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	Nguyễn Duy Thiên Kim	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	Võ Minh Lâm Nguyễn Duy Thiên Kim Nguyễn Thanh Minh Duy	Implements and executes the tests. Responsibilities include: ● implement tests and test suites ● execute test suites ● log results ● analyze and recover from test failures ● document incidents
Test System Administrator	Nguyễn Thanh Minh Duy	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