**MedBook**

<Iteration/ Master> Test Plan

Version 1.0

Revision History

| **Date** | **Version** | **Description** | **Author** |
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| 24/12/2021 | 1.0 | <details> | NPVy, NPChien, NNDu, NKTTNga, HNMDuc |
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Table of Contents

[**Introduction**](#_gjdgxs) **4**

[Purpose](#_30j0zll) 4

[**Target Test Items**](#_1fob9te) **4**

[**Environmental Needs**](#_3znysh7) **4**

[Hardware Requirements](#_2et92p0) 4

[Software in the Test Environment](#_tyjcwt) 4

[Productivity and Support Tools](#_3dy6vkm) 5

[**Responsibilities, Staffing, and Training Needs**](#_1t3h5sf) **5**

[People and Roles](#_4d34og8) 5

**<Iteration/ Master> Test Plan**

# Introduction

## Purpose

* Test plan is a detailed document that describes test strategies, objectives, process, schedule, estimation, deliverables, and resources needed to perform testing on software product.
* Test plan helps us to think through the efforts need to validate the acceptability of our software
* Test plan can be reused if testingneeds to be repeated later on when software is updated.
* Measures the overall testing risks and their probability of occurrence.

# Target Test Items

The following software features and areas need to be tested, including:

* Login: Functional, performance, usability
* Register: Functional, performance, usability
* Booking: Functional, performance, usability
* Follow examination: Functional, performance, usability

# Environmental Needs

## Hardware Requirements

The platform running this application must fulfill the following conditions in order to perform successful testing:

* Android devices that have version 7.0 or above, Internet connection and contain at least 1 GB RAM is required.
* The server must be deployed on a system that fulfills mid-range configuration requirements and has a reliable network connection.

## 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 Studio | Test client application with functional, performance, usability | 4.2 | Operating System |
| Windows 10, 64 bit | Test server application with functional, performance | Newest | Operating System |

## 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 |
| Defect Tracking | Katalon Studio | Katalon LLC | 7.6.5 |
| Test Report | Google Sheet | Google | Newest |

# 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 | Hồ Ngọc Minh Đức | Provides management oversight.  Responsibilities include:   * planning and logistics * agree on mission * identify motivators * acquire appropriate resources * present management reporting * advocate the interests of test * evaluate effectiveness of test effort |
| Tester | Hồ Ngọc Minh Đức  Ngô Phú Chiến  Ngô Nhật Du  Nguyễn Kim Thị Tố Nga  Nguyễn Phương Vy | 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 | Ngô Phú Chiến | 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 |