**Group 07 - DocCare**

Test Plan

Version 1.2

Revision History

| **Date** | **Version** | **Description** | **Author** |
| --- | --- | --- | --- |
| 31/Dec/2024 | 1.0 | Purpose + Target Test Items | Tran Kim Phat  Nguyen Trong Nghia |
| 05/Jan/2024 | 1.1 | Environmental Needs + Responsibilities, Staffing, and Training Needs | Tran Le Quoc Nguyen Mai Vinh Chu Hoang Phuc |
| 08/Jan/2024 | 1.2 | Final review | All members |

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**Sprint 5 Test Plan**

# Introduction

## Purpose

The primary objectives of this test plan document are to establish a comprehensive framework for testing activities within our DocCare app. It aims to define the scope, approach, resources, and schedule for testing, ensuring that the testing process aligns with the overall project goals.

This document provides an overview of the testing environment, testing resources, and responsibilities of the testing team.

The primary audience for this document includes all team members, and other stakeholders involved in the software development lifecycle. It serves as a communication tool to ensure that all parties have a clear understanding of the testing process and its implications on project timelines and quality.

The key features include:

1. Defines the scope of testing and outlines the objectives to be achieved through the testing process.
2. Describe the overall approach to testing, including the methodologies, techniques, and levels of testing to be conducted.
3. Outline the specific testing phases (e.g., unit testing, integration testing, system testing, etc.) and the activities to be performed within each phase.
4. Details the hardware, software, and network configurations required for testing, ensuring a stable and representative environment.
5. Specifies the roles and responsibilities of individuals involved in testing, as well as the tools and equipment necessary for testing activities.
6. Defines the conditions that must be met to initiate and conclude each testing phase, ensuring a systematic progression through the testing process.
7. Identifies potential risks to the testing process and outlines contingency plans to mitigate these risks.
8. Includes sections for obtaining approvals from relevant stakeholders, ensuring that the test plan aligns with project objectives and requirements.

# Target Test Items

* 1. Main Features
     1. Customer
* Online Scheduling Appointments with doctors
* Manage medical records and rate service
* View appointment
  + 1. Doctor
* Input medical statistics, add intakes, and create prescriptions for patients
* Create and send absent requests
* Manage appointments
  + 1. Receptionist
* View and response to doctors’ absent requests
* Scheduling appointments for offline patients who do not have accounts
  + 1. Administrator
* Generate monthly reports for reporting purposes
* Add and delete doctors and receptionist

# Environmental Needs

## Hardware Requirements

* Devices:
  + PC or laptops with at least 2 GHz or faster 32-bit (x86) or 64-bit (x64) processor, minimum 2 GB available RAM (32-bit) or 4 GB available RAM (64-bit), at least 1 GB available hard disk space, and connected to the internet.

## 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 13 and above | Operating System for Testing | >= 13.0 | Operating System |
| Android emulator | An emulator to connect to the Katalon studio | Latest | Emulator |
| Window operating system | Operating System for Testing | >= 10 | Operating System |
| macOS | Operating System for Testing | >= OS X El Capitan 10.11 | Operating System |
| Linux | Operating System for Testing | OpenJDK 8 or 17 | 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 SpreadSheets | Google LLC | Latest |
| Defect Tracking | GitHub | Logical Volcano LLC | Latest |
| Documents | Google SpreadSheets | Google LLC | Latest |
| Documents | Google Docs | Google LLC | Latest |
| Testing Automation | Katalon | Katalon, Inc. | 9.0 |
| Meeting software | Discord | Discord Inc. | Latest |

# 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 | Tran Kim Phat | Provides management oversight.  Responsibilities include:   * planning and logistics * agree mission * identify motivators * acquire appropriate resources * present management reporting * advocate the interests of test * evaluate the effectiveness of test effort |
| Tester | Nguyen Mai Vinh  Nguyen Trong Nghia  Chu Hoang Phuc  Tran Le Quoc  Tran Kim Phat | 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 | Nguyen Mai Vinh  Tran Le Quoc | Ensures the 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 |