# CAPSTONE PROJECT TEST PLAN

# HOSPITAL MANAGEMENT SYSTEM

# GROUP 7 V1.0

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**Quality Engineering**

# Table of Contents

Table of Contents…………………..………………………………………………………………………………………………………………..2

Test Plan Identifier……………………………………………..……………………………………………………………………………………3

Introduction…………………………………………………………………………………………………………………………………………..3

Scope……………………………………………………………………………………………………………………………………………………..3

Tools……………………………………………………………………………………………………………………………………………………….3

Features To Be Tested…………………………………………………………………………………………………………………………….4

Aproach………………………………………………………………………………………………………………………………………………….4

Item Pass/Fail Criteria……………………………………………………………………………………………………………………………..4

Environmental Needs………………………………………………………………………………………………………………………………5

# Test Plan Identifier

|  |  |
| --- | --- |
| Regarding | Description |
| Title | Test Plan Capstone Project |
| Composer | Difa Zahran |
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# Introduction

This is a Test Plan **Hospital Management System** document. The main focus of this project is to create a system that can help to manage a hospital. This document is for testing projects that are being/have been created. The results of the tests that have been carried out will be used to determine the quality of the application.

# Scope

In this test plan, there are several tests that must be carried out, including:

1. Web Testing (Admin)

Functional testing for automation and manual testing, test feature manage dashboard, feature manage appointments, feature manage schedule, feature manage patient, feature manage Doctor, feature manage Prescription, settings and Login/Logout.

1. Mobile Testing (Doctor)

For Mobile Testing, automation and manual testing is the same as web testing with some features that are limited to admins only.

1. Rest API Testing

For API Testing, test the functionality, API Response, and the required API Response time.

# Tools

|  |  |  |
| --- | --- | --- |
| Function | Tools | Version |
| Software Testing | IntelliJ IDEA Community Edition | 2022.1 |
| Mobile Testing | Appium | 1.21.0 |
| Rest API Testing | Postman | 9.21.2 |
| Tracking Management Tools | Trello | - |
| Test Scenario & Matrix | Microsoft Excel | 2010 |

# Features To Be Tested

Here are the sections to focus on during project testing:a. Feature Log In for Doctor and Admin

b. Feature Create, Search, Update, and Delete Patient

c. Feature Create and Update Outpatient

d. Feature Create, Search, Update, and Delete Doctor

e. Feature Create, Search, Update, and Delete Admin

f. Feature Dashboard

g. Feature Sidebar

# Approach

The approach used in this testing is BlackBox Testing. Unit testing is done by testing the functional/non-functional requirements of the system. This approach seeks to find errors in the system or functions that do not run on the system.

# Item Pass/Fail Criteria

The testing process will be declared complete if the Management System that is carried out in the work of this project can run, where the existing data can be arranged according to the agreement without adding to the complicated administrative flow. If the Care Hospital states that they are satisfied with the performance intended by the system, then the testing process is complete and declared a success.

If at the time of using the system there are several errors or bugs, the program is still declared successful with the criteria that the errors or bugs left behind do not interfere with the System Management of the system created. Errors that cause the management system to fail or hinder the project's failure criteria.

# Environmental Needs

The specifications of the computer equipment used to test the Hospital Care Management System include:

a. Processor Intel Core i3 2.30GHz

b. Memory 4 GB

c. 64-bit Operating System

d. Hard Disk Free 77.7GB

e. Resolusi Monitor 1024 x 768

f. Browser Chrome