**COVID-19 Vaccination Record Software**

Test Plan

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**Introduction**

1. Objective

This document is the Test Plan. It helps us 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, minutely monitored and controlled by the test manager.

In addition, it should also have the following objectives:

* To find defects that may get created by the
* To make sure that the result meets the business and user requirements.
* To ensure that it satisfies the SRS that is System Requirement Specifications.

1. Testing method

|  |  |  |
| --- | --- | --- |
| Unit Test | White-box testing | |
| Automatic test (Jest framework) | |
| System Test | Blackbox testing | Function test |
| GUI test |

1. Intended Audience

The mainly intended audience of this document is all significant stakeholders, which include the development team, the project owner, testers, the senior project advisor (Dr. Jayakrit Hirisajja), and anyone evaluating the project.

1. Project Scope

To develop a web application for displaying COVID-19 vaccination records, the homepage should display a list of individuals who have received the vaccine. This list will include their first and last name and indicate whether they have received the first or second dose of the vaccine. When a user clicks on a person's name, the system should display their personal information such as name, surname, age, patient image, and hometown, along with details of their vaccination including the vaccine they received and the date of each dose. Additionally, there should be a section where a doctor can add comments about the patient's condition

1. Acronyms

SRS - Software Requirement Specification

URS - User Requirement Specification

UC - Use Case

UI - User Interface

UTC - Unit Test Case  
STC - System Test Case

IT- Integration test

## Definition

|  |  |
| --- | --- |
| Name | Definition |
| Feature | Transformation of input parameters to output parameters based on a specified algorithm. It describes the functionality of the product in the language of the product. Used for requirements analysis, design, coding, testing or maintenance. [IEEE90] |
| IEEE | Institute for Electrical and Electronics Engineers. Biggest global interest group for engineers of different branches and computer scientists. [IEEE90] |
| Requirement | 1. A condition or capability needed by the user to solve a problem or achieve an objective. 2. A condition or capability that must be met or possessed by a system or system component to satisfy a contract, standard, specification, or other formally imposed document. 3. A documented representation of a condition or capability as in definition (1) or (2). [IEEE90] |
| Specification | Precise description of an activity or work product that serves as the basic or input for further activities or work product. A specification can comprise requirements for a product and how they will be solved. Different parts of a specification (e.g., what is to be done, how it will be done) must not be mixed. [IEEE90] |
| Use case | 1. Concept to describe a system based on usage of system resources by its environment. Characterized by an objective-set of interactions within and at the borders of that system. 2. Notation from UML for describing a scenario (Usage approach, operational scenario) from the perspective of this user. [IEEE90] |

# Unit test

Unit Test Case 001 (UTC-001):

Method name: inference (self: Object, image\_path: String): String

Description: Test whether this method can be used to display the fish labels.

Data for testing​: