

**COVID CARE**

**Software Design Document**

**Table of Contents**

[I. Overview 3](#_Toc98340417)

[1. Code Packages/Namespaces 3](#_Toc98340418)

[II. Code Designs 3](#_Toc98340419)

[1. <Feature/Function Name1> 3](#_Toc98340420)

[a. Class Diagram 3](#_Toc98340421)

[b. Class Specifications 4](#_Toc98340422)

[c. Sequence Diagram(s) 4](#_Toc98340423)

[d. Database queries 4](#_Toc98340424)

[2. <Feature/Function Name2> 5](#_Toc98340425)

[III. Database Design 5](#_Toc98340426)

[1. Database Schema 5](#_Toc98340427)

[2. Table Description 5](#_Toc98340428)

# I. Overview

## 1. Code Packages/Namespaces

*[Provide the package diagram for each sub-system. The content of this section including the overall package diagram, the explanation, package and class naming conventions in each package. Please see the sample and description table format below – following Java project naming convention]*



***Package descriptions & package class naming conventions***

|  |  |  |
| --- | --- | --- |
| **No** | **Package** | **Description** |
| *01* | *<Package name>* | *<Description of the package>*  *<Class naming convention>* |
| *02* |  |  |

# II. Code Designs

## 1. <Feature/Function Name1>

*[Provide the detailed design for the function <Feature/Function Name1>. It include Class Diagram, Class Specifications, and Sequence Diagram(s)]*

### a. Class Diagram

*[This part presents the class diagram for the relevant feature]*



### b. Class Specifications

*[Provide the description for each class and the methods in each class, following the table format as below]*

#### XYZ Class

*[Provide the detailed description for the class methods]*

|  |  |  |
| --- | --- | --- |
| **No** | **Method** | **Description** |
| *01* | *<method name>* | *<Description of the method, including the inputs, outputs & internal method processing>* |
|  |  |  |

#### ABC Class

***Class Methods***

*[Provide the detailed description for the class methods]*

|  |  |  |
| --- | --- | --- |
| **No** | **Method** | **Description** |
| *01* | *<method name>* | *<Description of the method, including the inputs, outputs & internal method processing>* |
|  |  |  |

### c. Sequence Diagram(s)

*[Provide the sequence diagram(s) for the feature, see the sample below]*



### d. Database queries

*[Provide the detailed SQL (select, insert, update...) which are used in implementing the function/screen]*

## 2. <Feature/Function Name2>

…

# III. Database Design

## 1. Database Schema

*[Provide the tables relationship like example below – following MySQL database naming convention]*



## 2. Table Description

|  |  |  |
| --- | --- | --- |
| **No** | **Table** | **Description** |
| *01* | *<Table name>* | *<Description of the table>*  *- Primary keys: <<list of primary key fields>>*  *- Foreign keys: <<list of foreign key fields>>* |
| *02* |  |  |