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|  |
| Capstone Project Document |

**First Aid**

Report #2 – Class Design

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**- Hanoi, 09/2016 -**

# SIGNATURE PAGE

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# 1 Introduction

## Purpose

Dandelion class design document contains descriptions of all classes of the Dandelion. It includes: Class diagrams that describe the static relation of all classes in the system.

## Definitions, Acronyms and Abbreviations

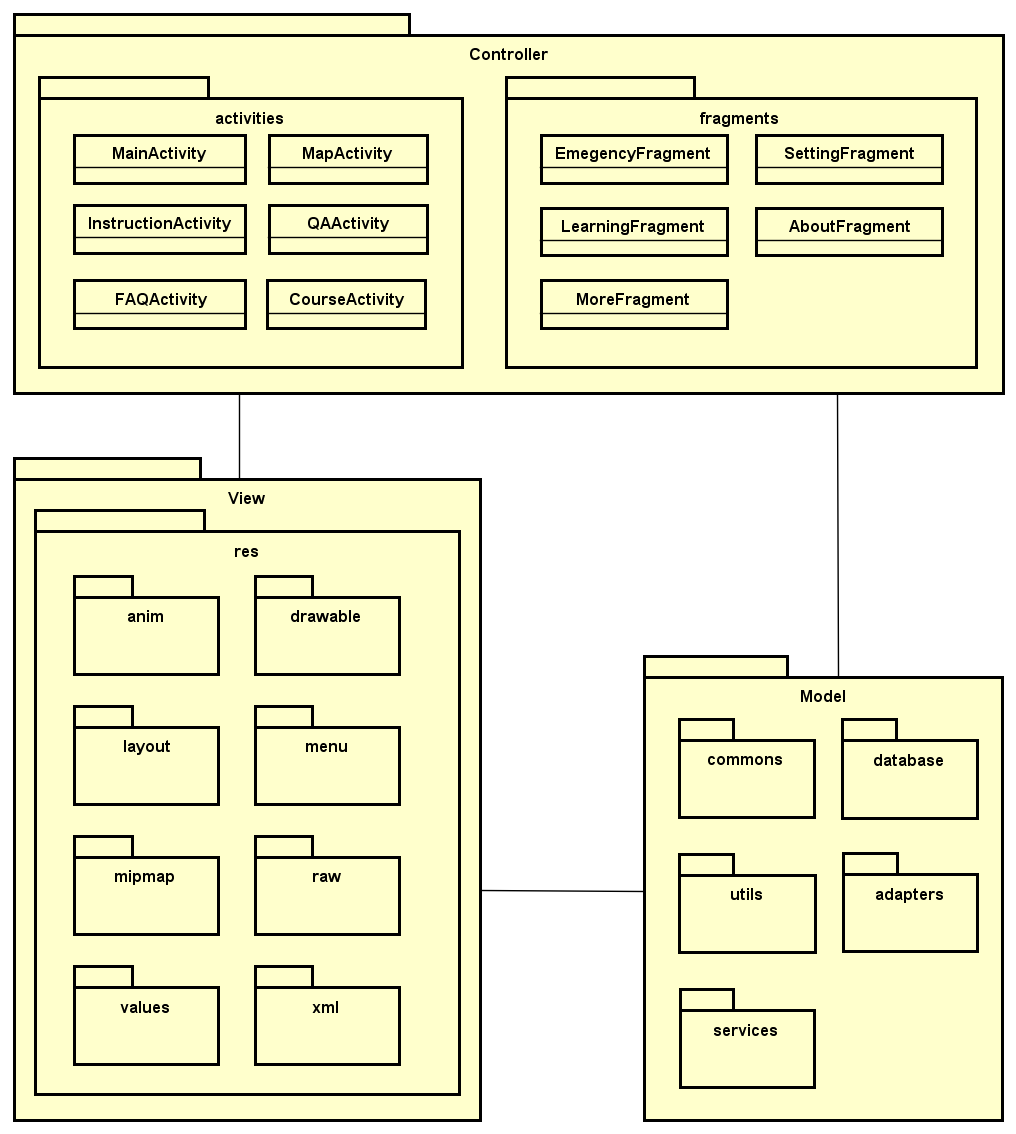
|  |  |  |
| --- | --- | --- |
| Abbreviations | Description | Comment |
| FAVN | First Aid Vietnam |  |
| FAA | First Aid Application |  |
| FAQ | Frequently Asked Question |  |

Table -1: Definitions, Acronyms and Abbreviations

# Package

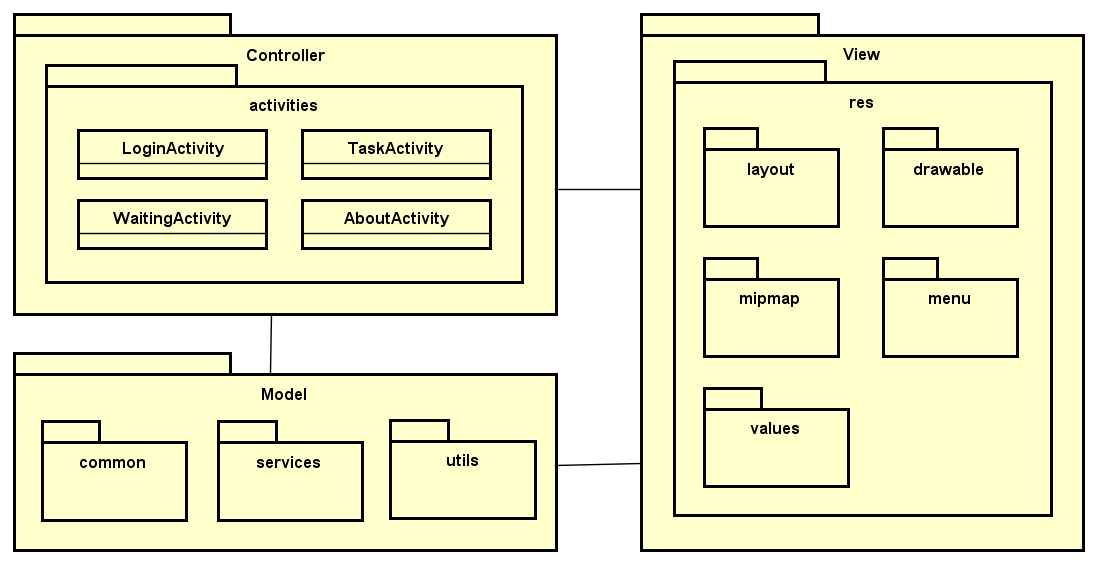
## Package Diagram

### First Aid Application



1. FAA Package Diagram

### Ambulance Application



1. Ambulance Application Package Diagram

### Dispatcher Application

### Admin/Expert Application

## Package Description

### First Aid Application

#### Controller

##### Activities

###### MainActivity

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Field Name** | **Type** | **Default** | **Note** | **Description** |
|  | UserID | int |  | private | User’s ID |
|  | UserName | String |  | private | User’s name |
|  | Password | String |  | private | User’s password |
|  | IsActive | bool | false | private | User’s active status (inactive, active) |
|  | CreatedDate | Datetime |  | private | User’s created date |
|  | LoginType | String | normal | private | User’s created type includes: normal, Facebook or both |
|  | LastLogin | Datetime |  | private | User’s last login |
|  | UserType | String | normal | private | User’s type (admin or nomal user) |
|  | IsVerify | bool | false | private | User’ email verify status |

1. DDL\_User model

###### MapActivity

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Field Name** | **Type** | **Default** | **Note** | **Description** |
|  | UserID | int |  | private | User’s ID |
|  | UserName | String |  | private | User’s name |
|  | Password | String |  | private | User’s password |
|  | IsActive | bool | false | private | User’s active status (inactive, active) |
|  | CreatedDate | Datetime |  | private | User’s created date |
|  | LoginType | String | normal | private | User’s created type includes: normal, Facebook or both |
|  | LastLogin | Datetime |  | private | User’s last login |
|  | UserType | String | normal | private | User’s type (admin or nomal user) |
|  | IsVerify | bool | false | private | User’ email verify status |

1. DDL\_User model

###### InstructionActivity

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Field Name** | **Type** | **Default** | **Note** | **Description** |
|  | UserID | int |  | private | User’s ID |
|  | UserName | String |  | private | User’s name |
|  | Password | String |  | private | User’s password |
|  | IsActive | bool | false | private | User’s active status (inactive, active) |
|  | CreatedDate | Datetime |  | private | User’s created date |
|  | LoginType | String | normal | private | User’s created type includes: normal, Facebook or both |
|  | LastLogin | Datetime |  | private | User’s last login |
|  | UserType | String | normal | private | User’s type (admin or nomal user) |
|  | IsVerify | bool | false | private | User’ email verify status |

1. DDL\_User model

###### QAActivity

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Field Name** | **Type** | **Default** | **Note** | **Description** |
|  | UserID | int |  | private | User’s ID |
|  | UserName | String |  | private | User’s name |
|  | Password | String |  | private | User’s password |
|  | IsActive | bool | false | private | User’s active status (inactive, active) |
|  | CreatedDate | Datetime |  | private | User’s created date |
|  | LoginType | String | normal | private | User’s created type includes: normal, Facebook or both |
|  | LastLogin | Datetime |  | private | User’s last login |
|  | UserType | String | normal | private | User’s type (admin or nomal user) |
|  | IsVerify | bool | false | private | User’ email verify status |

1. DDL\_User model

###### FAQActivity

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Field Name** | **Type** | **Default** | **Note** | **Description** |
|  | UserID | int |  | private | User’s ID |
|  | UserName | String |  | private | User’s name |
|  | Password | String |  | private | User’s password |
|  | IsActive | bool | false | private | User’s active status (inactive, active) |
|  | CreatedDate | Datetime |  | private | User’s created date |
|  | LoginType | String | normal | private | User’s created type includes: normal, Facebook or both |
|  | LastLogin | Datetime |  | private | User’s last login |
|  | UserType | String | normal | private | User’s type (admin or nomal user) |
|  | IsVerify | bool | false | private | User’ email verify status |

1. DDL\_User model

###### CourseActivity

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Field Name** | **Type** | **Default** | **Note** | **Description** |
|  | UserID | int |  | private | User’s ID |
|  | UserName | String |  | private | User’s name |
|  | Password | String |  | private | User’s password |
|  | IsActive | bool | false | private | User’s active status (inactive, active) |
|  | CreatedDate | Datetime |  | private | User’s created date |
|  | LoginType | String | normal | private | User’s created type includes: normal, Facebook or both |
|  | LastLogin | Datetime |  | private | User’s last login |
|  | UserType | String | normal | private | User’s type (admin or nomal user) |
|  | IsVerify | bool | false | private | User’ email verify status |

1. DDL\_User model

##### Fragment

###### EmegencyFragment

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Field Name** | **Type** | **Default** | **Note** | **Description** |
|  | UserID | int |  | private | User’s ID |
|  | UserName | String |  | private | User’s name |
|  | Password | String |  | private | User’s password |
|  | IsActive | bool | false | private | User’s active status (inactive, active) |
|  | CreatedDate | Datetime |  | private | User’s created date |
|  | LoginType | String | normal | private | User’s created type includes: normal, Facebook or both |
|  | LastLogin | Datetime |  | private | User’s last login |
|  | UserType | String | normal | private | User’s type (admin or nomal user) |
|  | IsVerify | bool | false | private | User’ email verify status |

1. DDL\_User model

###### SettingFragment

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Field Name** | **Type** | **Default** | **Note** | **Description** |
|  | UserID | int |  | private | User’s ID |
|  | UserName | String |  | private | User’s name |
|  | Password | String |  | private | User’s password |
|  | IsActive | bool | false | private | User’s active status (inactive, active) |
|  | CreatedDate | Datetime |  | private | User’s created date |
|  | LoginType | String | normal | private | User’s created type includes: normal, Facebook or both |
|  | LastLogin | Datetime |  | private | User’s last login |
|  | UserType | String | normal | private | User’s type (admin or nomal user) |
|  | IsVerify | bool | false | private | User’ email verify status |

1. DDL\_User model

###### LearningFragment

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Field Name** | **Type** | **Default** | **Note** | **Description** |
|  | UserID | int |  | private | User’s ID |
|  | UserName | String |  | private | User’s name |
|  | Password | String |  | private | User’s password |
|  | IsActive | bool | false | private | User’s active status (inactive, active) |
|  | CreatedDate | Datetime |  | private | User’s created date |
|  | LoginType | String | normal | private | User’s created type includes: normal, Facebook or both |
|  | LastLogin | Datetime |  | private | User’s last login |
|  | UserType | String | normal | private | User’s type (admin or nomal user) |
|  | IsVerify | bool | false | private | User’ email verify status |

1. DDL\_User model

###### AboutFragment

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Field Name** | **Type** | **Default** | **Note** | **Description** |
|  | UserID | int |  | private | User’s ID |
|  | UserName | String |  | private | User’s name |
|  | Password | String |  | private | User’s password |
|  | IsActive | bool | false | private | User’s active status (inactive, active) |
|  | CreatedDate | Datetime |  | private | User’s created date |
|  | LoginType | String | normal | private | User’s created type includes: normal, Facebook or both |
|  | LastLogin | Datetime |  | private | User’s last login |
|  | UserType | String | normal | private | User’s type (admin or nomal user) |
|  | IsVerify | bool | false | private | User’ email verify status |

1. DDL\_User model

###### MoreFragment

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Field Name** | **Type** | **Default** | **Note** | **Description** |
|  | UserID | int |  | private | User’s ID |
|  | UserName | String |  | private | User’s name |
|  | Password | String |  | private | User’s password |
|  | IsActive | bool | false | private | User’s active status (inactive, active) |
|  | CreatedDate | Datetime |  | private | User’s created date |
|  | LoginType | String | normal | private | User’s created type includes: normal, Facebook or both |
|  | LastLogin | Datetime |  | private | User’s last login |
|  | UserType | String | normal | private | User’s type (admin or nomal user) |
|  | IsVerify | bool | false | private | User’ email verify status |

1. DDL\_User model

#### Model

##### commons

###### Caller

###### CallerInforSender

###### Distance

###### Faq

###### HealthFaility

###### InformationSenderListener

###### Injury

###### Instruction

###### Question

###### QuestionSender

##### database

###### DatabaseOpenHelper

##### utils

###### Connector

###### Constants

###### NetworkStatus

###### SettingPref

###### Sort

###### SOSCalling

###### StringConverter

##### adapters

###### FaqAdapter

###### HealthFacilityAdapter

###### HealthFacilityFilter

###### InjuryAdapter

###### InstructionAdapter

###### ItemsListAdapter

##### services

###### direction

Direction

DirectionFinder

###### distanceMatrix

DistanceMatrix

DistanceMatrixFinder

###### location

LocationFinder

###### FetchAddressIntentService

#### View

### Ambulance Application

#### Controller

##### activities

###### AboutActivity

###### LoginActivity

###### TaskActivity

###### WaitingActivity

#### Model

##### commons

###### Ambulance

###### AmbulanceInfoSender

###### User

###### UserSender

##### services

###### ditection

Direction

DirectionFinder

###### location

LocationFinder

##### utils

###### SharedPreferencesData

#### View

### Dispatcher Application

### Admin/Expert Application

# Function

## First Aid Application

### Emergencies

#### Class diagram

#### Sequence diagram

##### View list of injuries

##### View instruction steps of injury

##### Search injuries

##### Call 115

##### Speak instruction steps

##### View current location

##### View nearest list of health facilities

##### Show direction to health facility

##### Call to health facility

### Learning

#### Class diagram

#### Sequence diagram

##### View list of learning injuries

##### View learning instruction steps

##### View FAQs

### More

#### Class diagram

#### Sequence diagram

##### Send questions

##### View courses

##### Share application

### Setting

#### Class diagram

#### Sequence diagram

##### Allow to show advice tips

##### Allow to send information

### Info

#### Class diagram

#### Sequence diagram

##### View application information

## Ambulance Application

### Common

#### Login

#### Logout

### Emergency

#### View ambulance team information

#### Accept/Decline task

#### Show the location of caller

#### Show direction to caller

#### Report picked up caller

#### Report completed task

#### Report problem

#### Change status

## Dispatcher Application

### Common

#### Login

#### Logout

### Dispatch

#### Create emergency case

#### Dispatch an ambulance

#### View ambulance information

#### View caller information

#### Show direction from ambulance to caller

#### View list of callers

#### Notify ambulances status

#### Cancel emergency case

## Admin/Expert Application

### Admin

#### Common

##### Login

##### Logout

#### Manage user’s account

##### Create account

##### View list user

##### Search user’s account

##### Update user’s account

##### Delete user’s account

#### Manage Q&A

##### View user’s question

##### View answer

##### Answer question

### Expert

#### Common

##### Login

##### Logout

#### Manage Q&A

##### View user’s question

##### View answer

##### Answer the question

#### Manage injury

##### Add new injury

##### Search injury

##### Update injury

##### Dalete injury