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|  |
| Capstone Project Document |

**First Aid**

Report #2 – Class Design

|  |  |  |
| --- | --- | --- |
| **First Aid** | | |
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**- Hanoi, 09/2016 -**

# SIGNATURE PAGE

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Supervisor

Record of change

\*A - Added M - Modified D – Deleted

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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

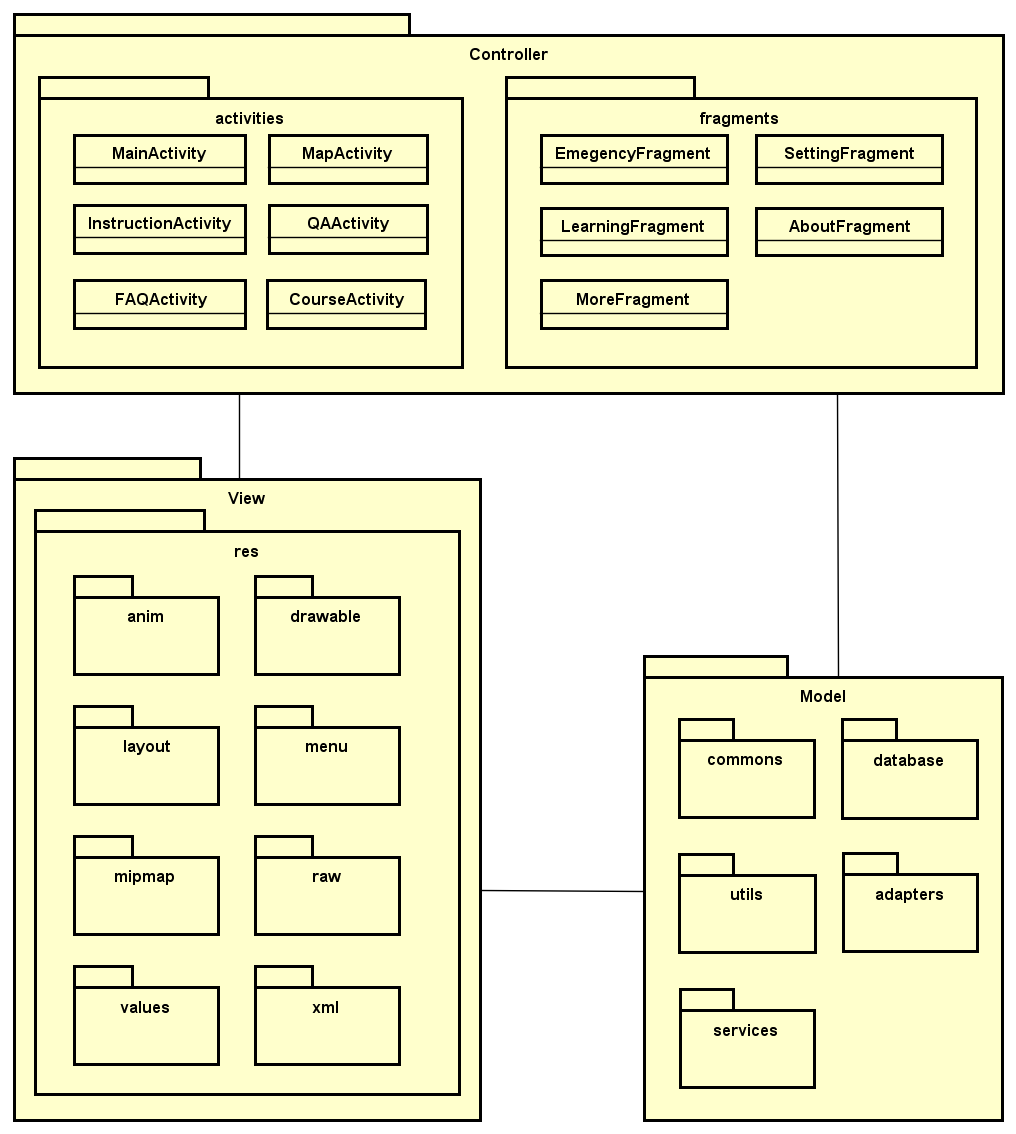
|  |  |  |
| --- | --- | --- |
| Abbreviations | Description | Comment |
| FAVN | First Aid Vietnam |  |
| FAA | First Aid Application |  |
| FAQ | Frequently Asked Question |  |

Table -1: Definitions, Acronyms and Abbreviations

# Package

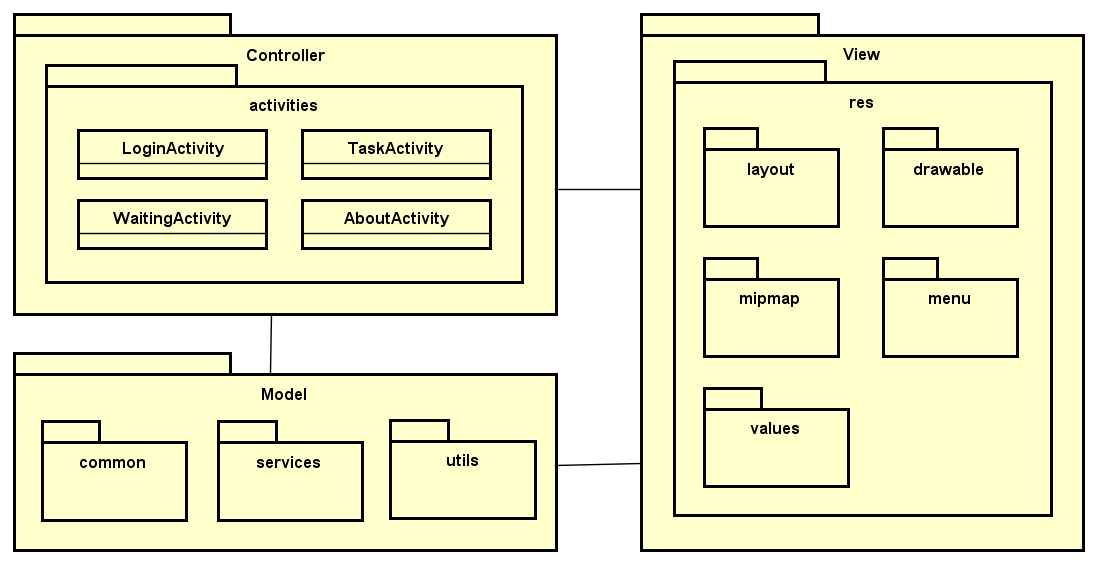
## Package Diagram

### 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 emergency

##### View instruction

##### Search

##### Call 115

##### Speak instruction

##### View current location

##### View nearest health facility list

##### Direct to health facility

##### Call to health facility

### Learning

#### Class diagram

#### Sequence diagram

##### View learning injury list

##### View learning instruction

##### View Faqs

### More

#### Class diagram

#### Sequence diagram

##### Send question

##### View course

##### Share application

### Setting

#### Class diagram

#### Sequence diagram

##### Notify about update

##### Send information

### About

#### Class diagram

#### Sequence diagram

##### View application information

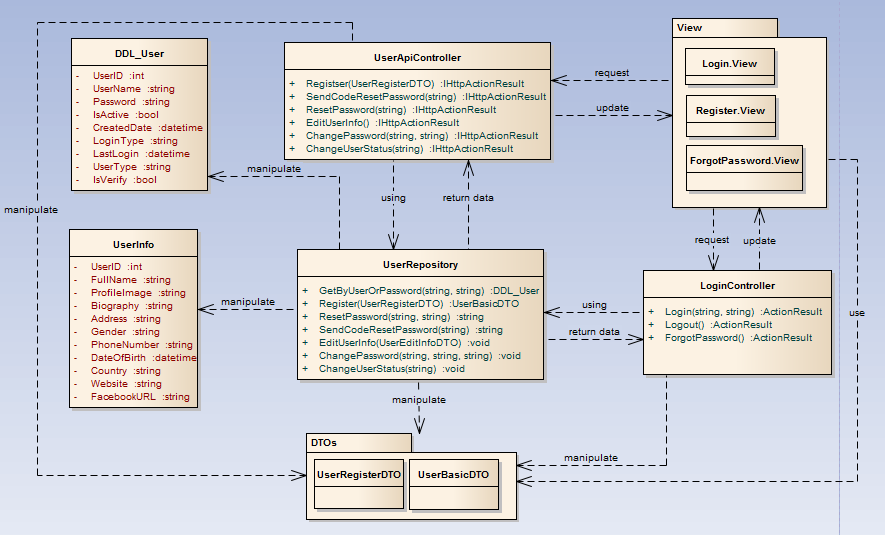
## Ambulance Application

## Dispatcher Application

## Admin/Expert Application

## Common

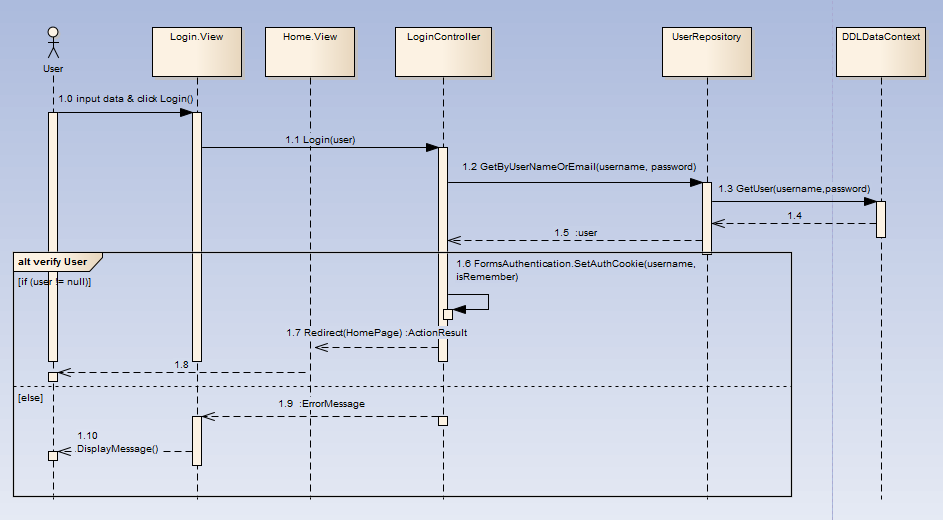
### Class diagram



1. Common functions class diagram

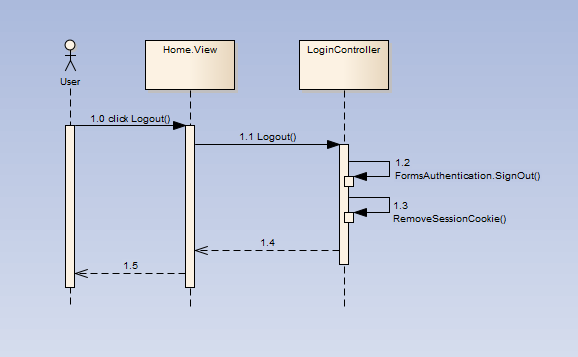
### Sequence diagram

#### Login



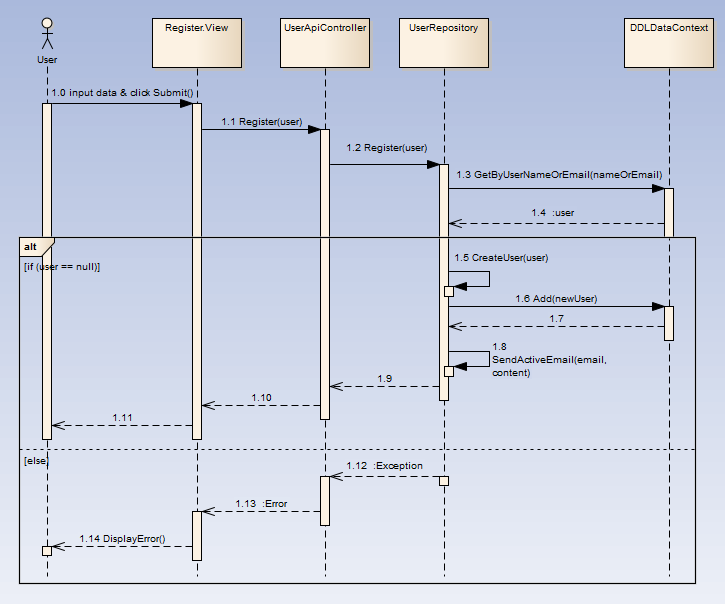
1. Login sequence diagram

#### Logout



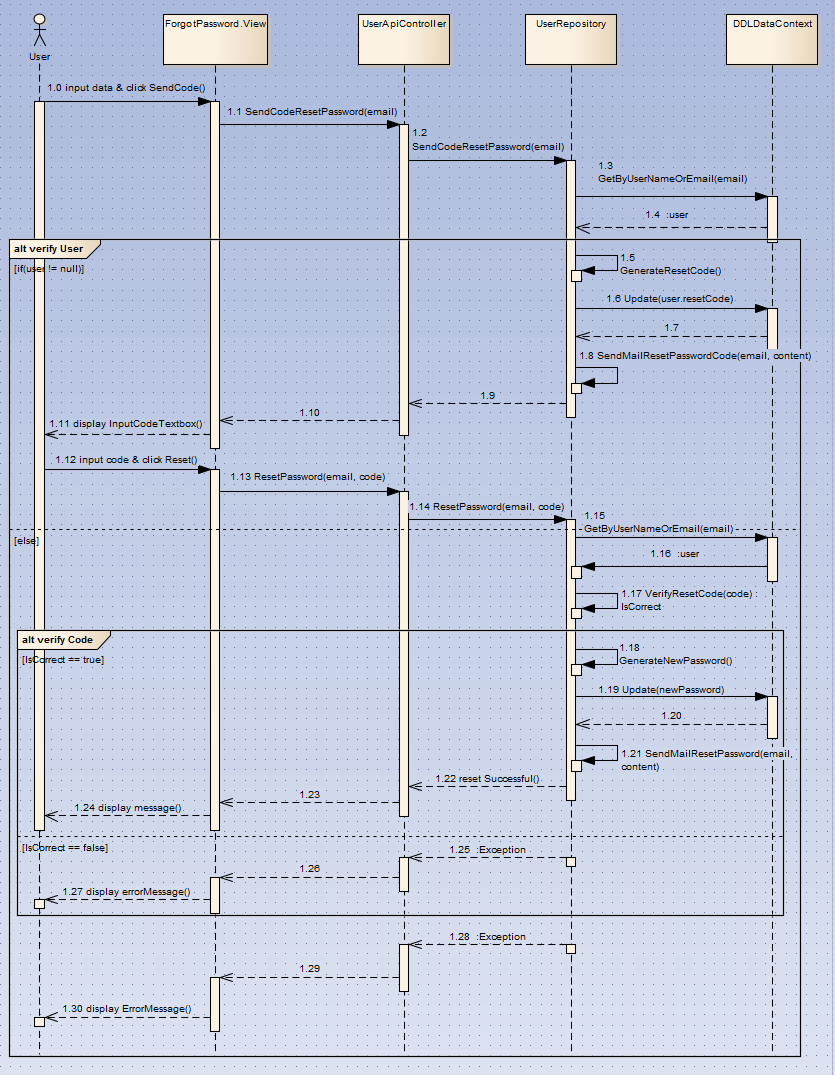
1. Logout sequence diagram

#### Register



1. Register sequence diagram

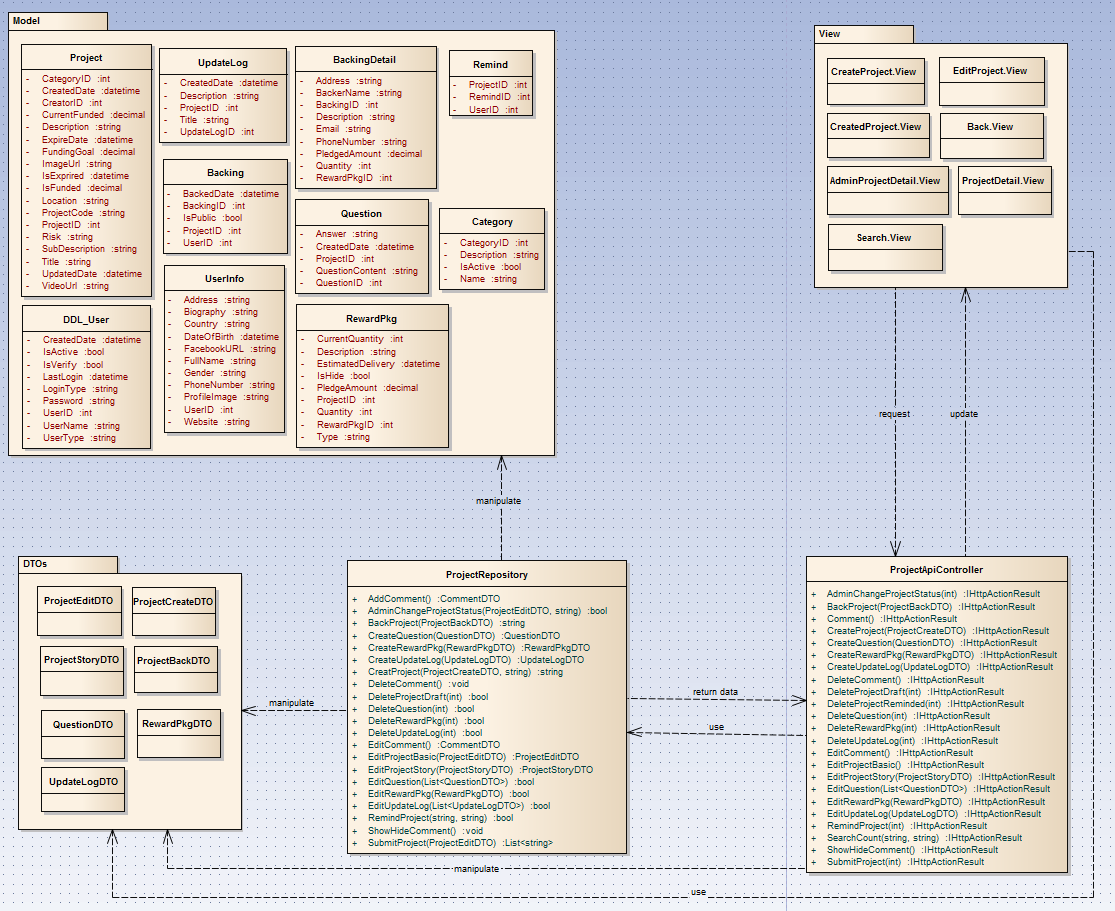
#### Forgot Password



1. Forgot password sequence diagram

## Project management

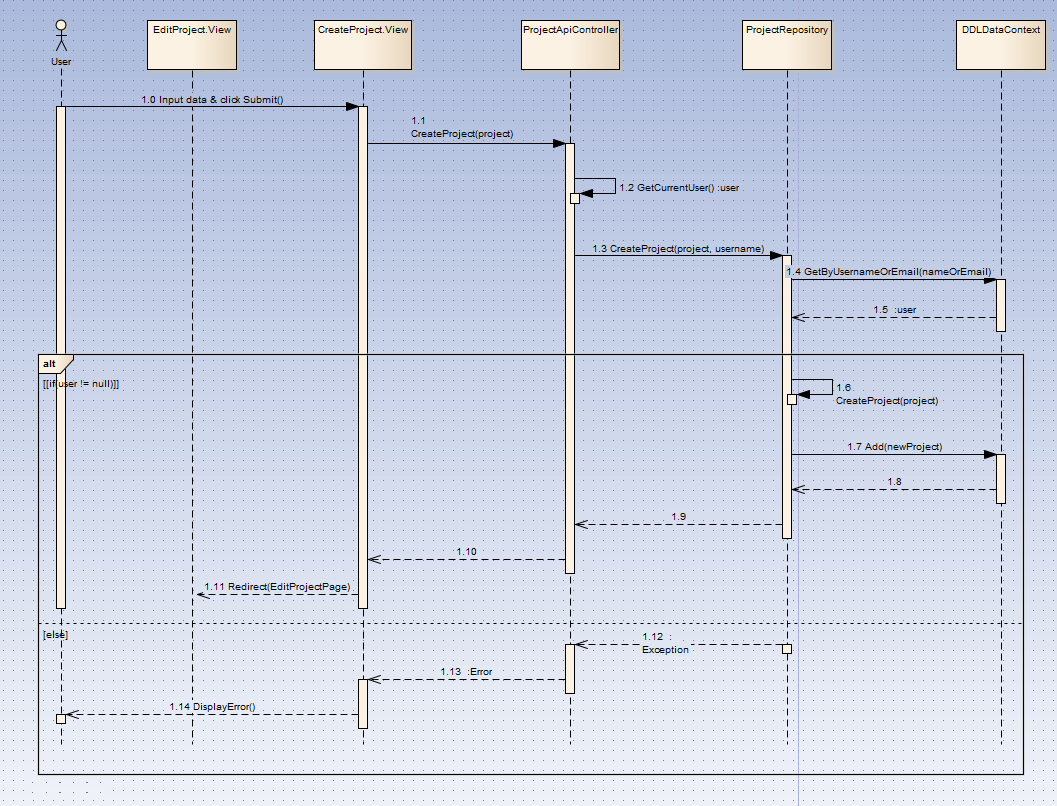
### Class diagram



1. Project management class diagram

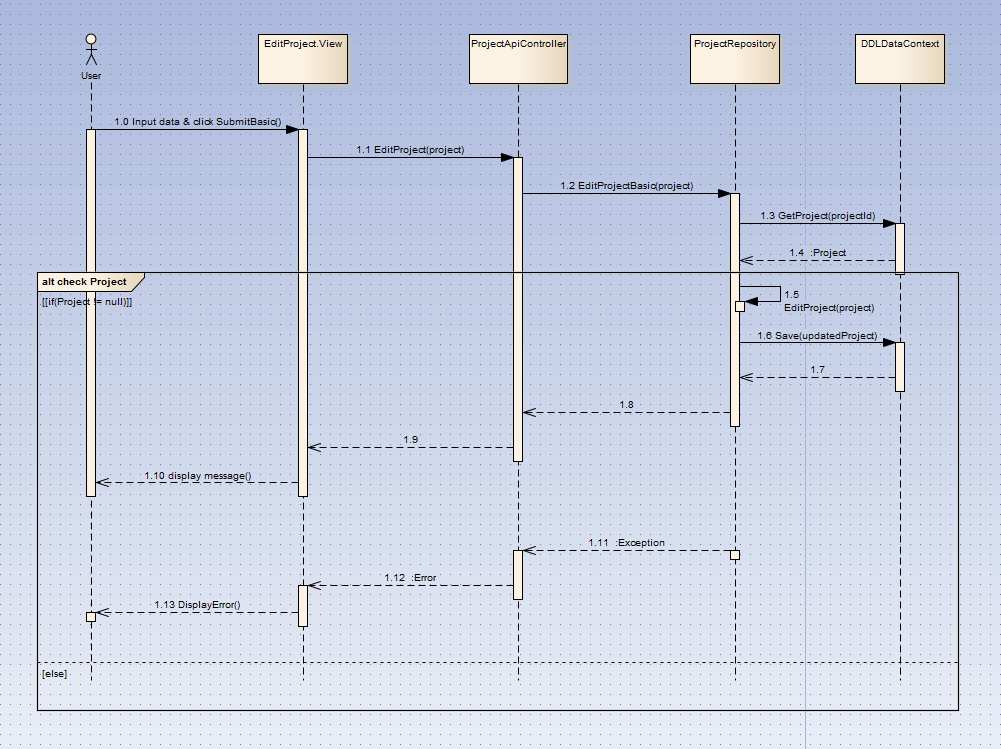
### Sequence diagram

#### Create project



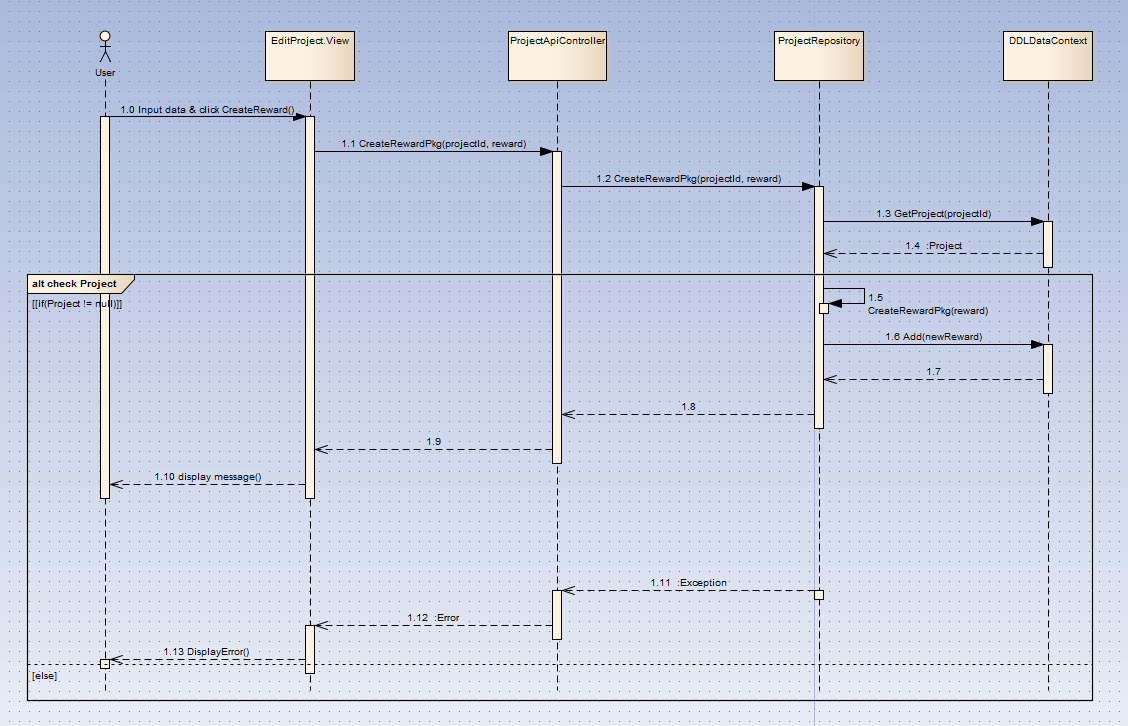
1. Create project sequence diagram

#### Edit project basic



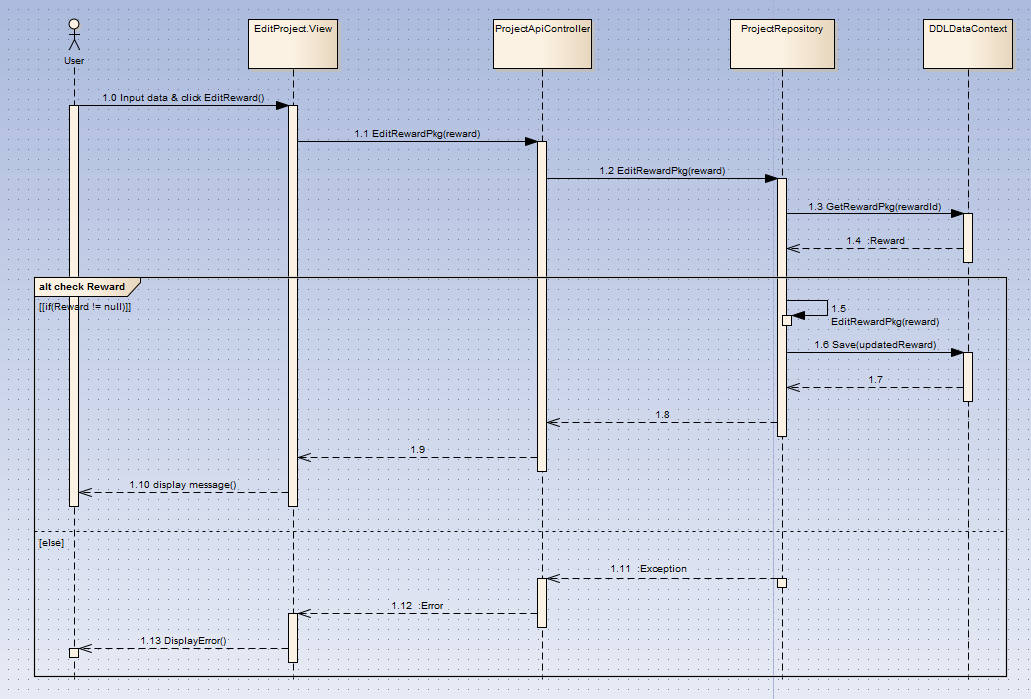
1. Edit project basic sequence diagram

#### Create reward packet



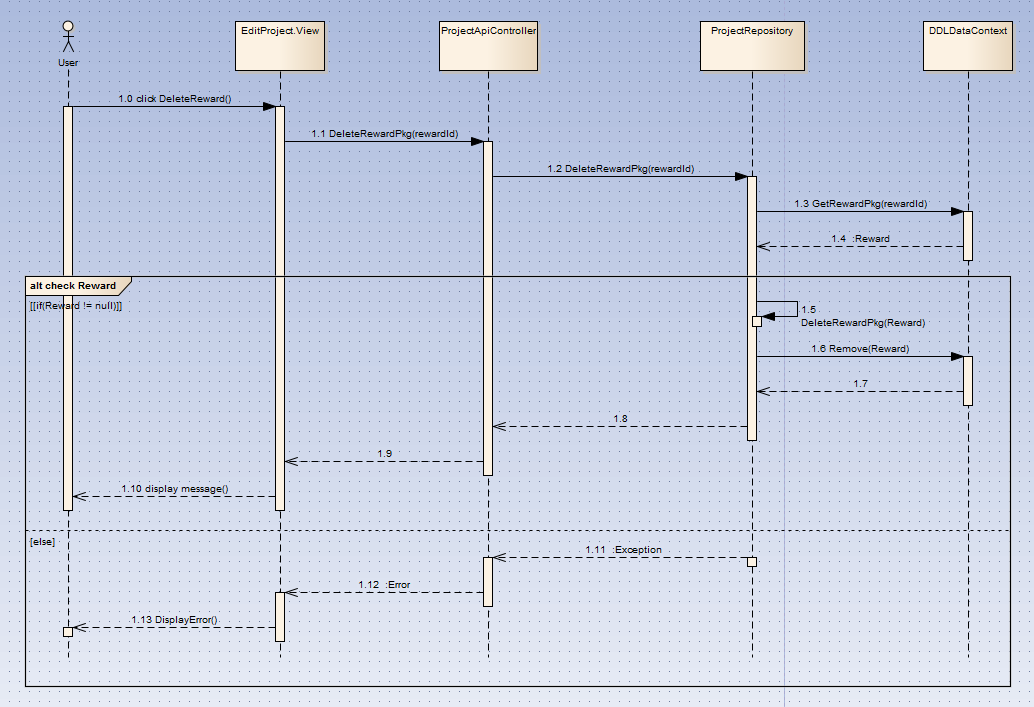
1. Create reward packet sequence diagram

#### Edit reward packet



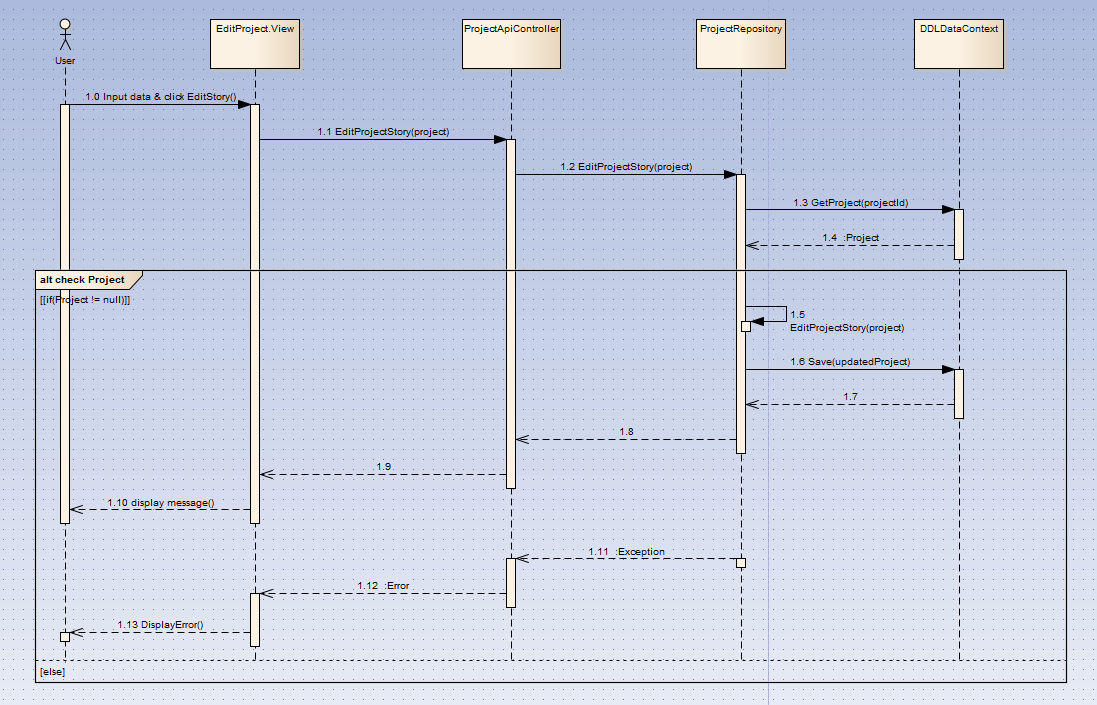
1. Edit reward packet sequence diagram

#### Delete reward packet



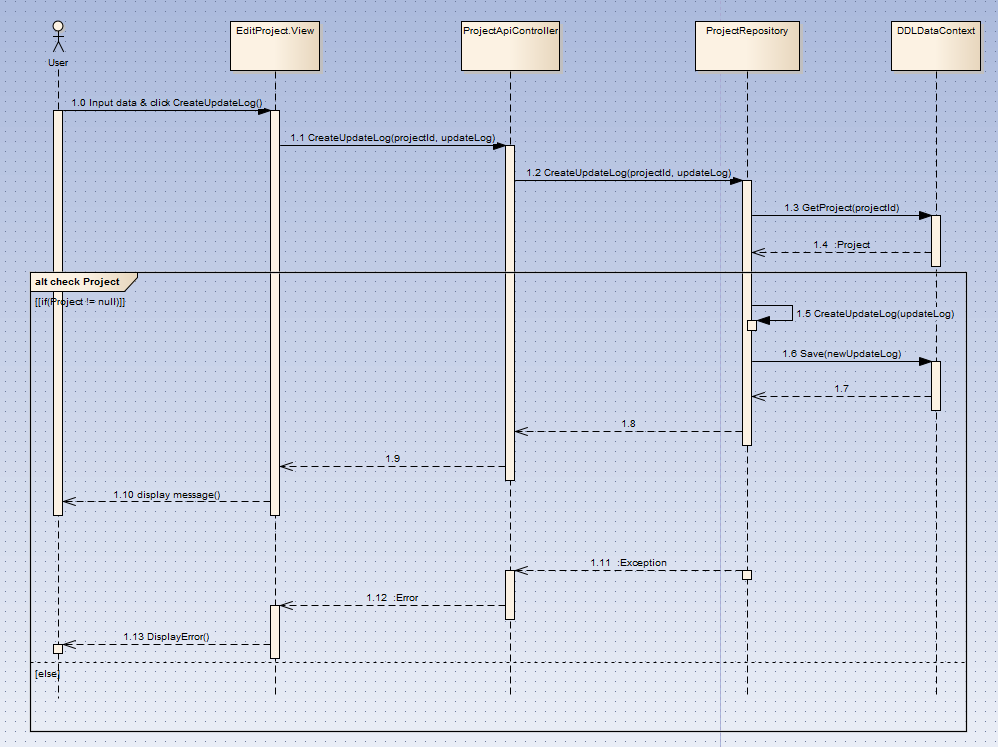
1. Delete reward packet sequence diagram

#### Edit project story



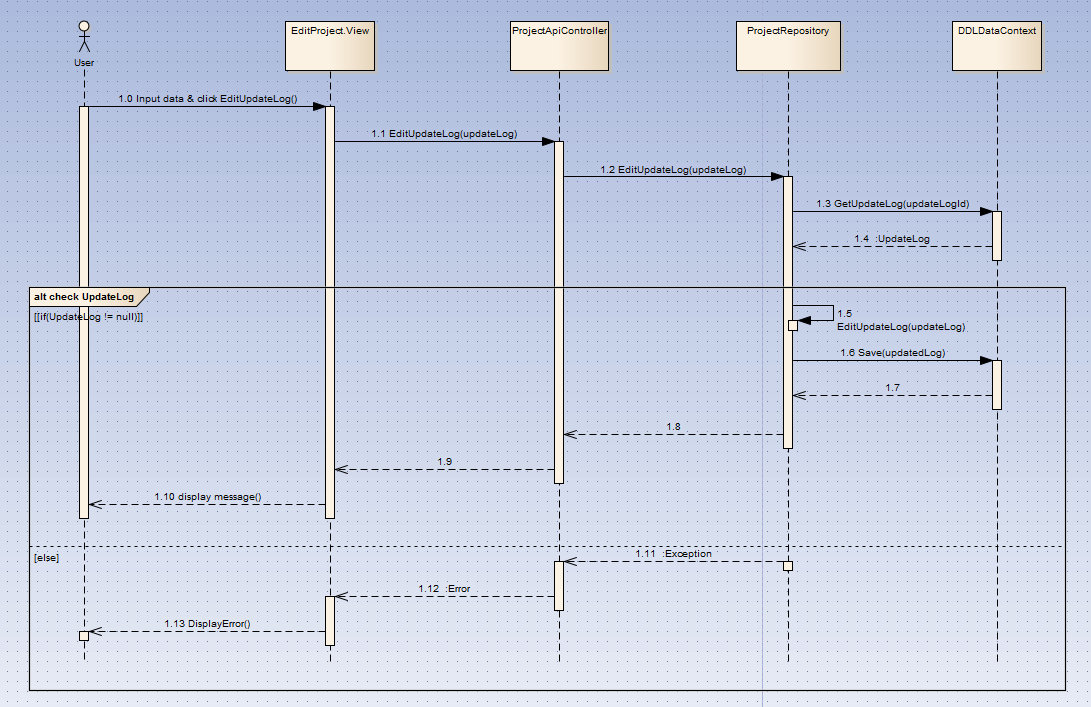
1. Edit project story sequence diagram

#### Create update log



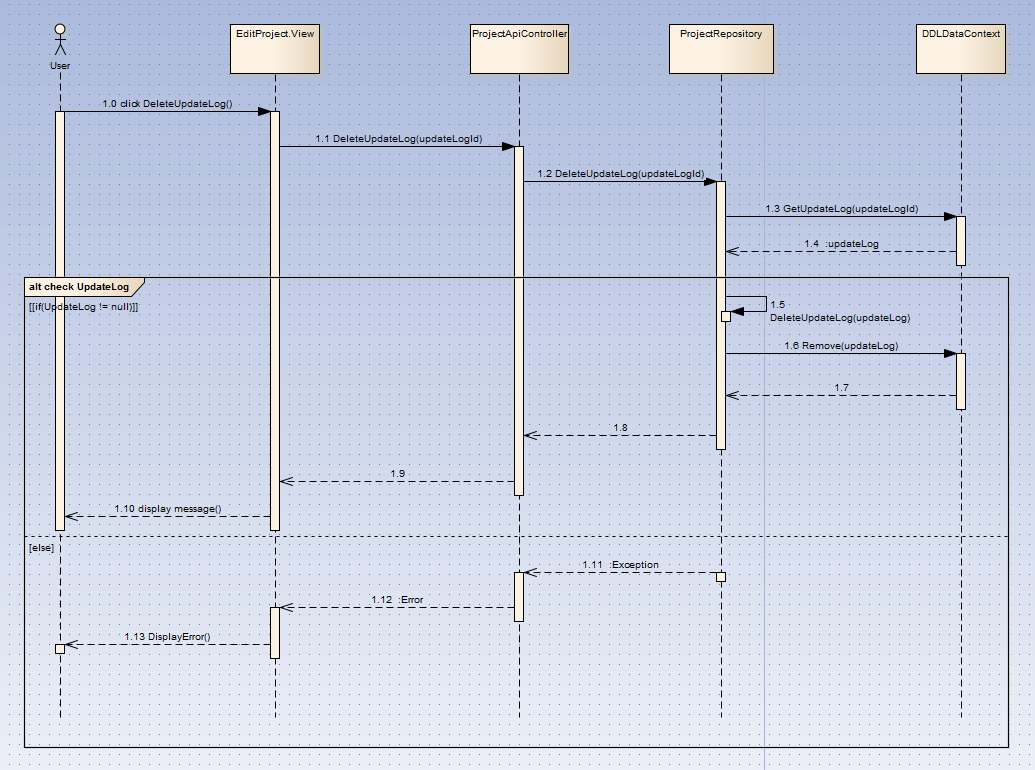
1. Create update log sequence diagram

#### Edit update log



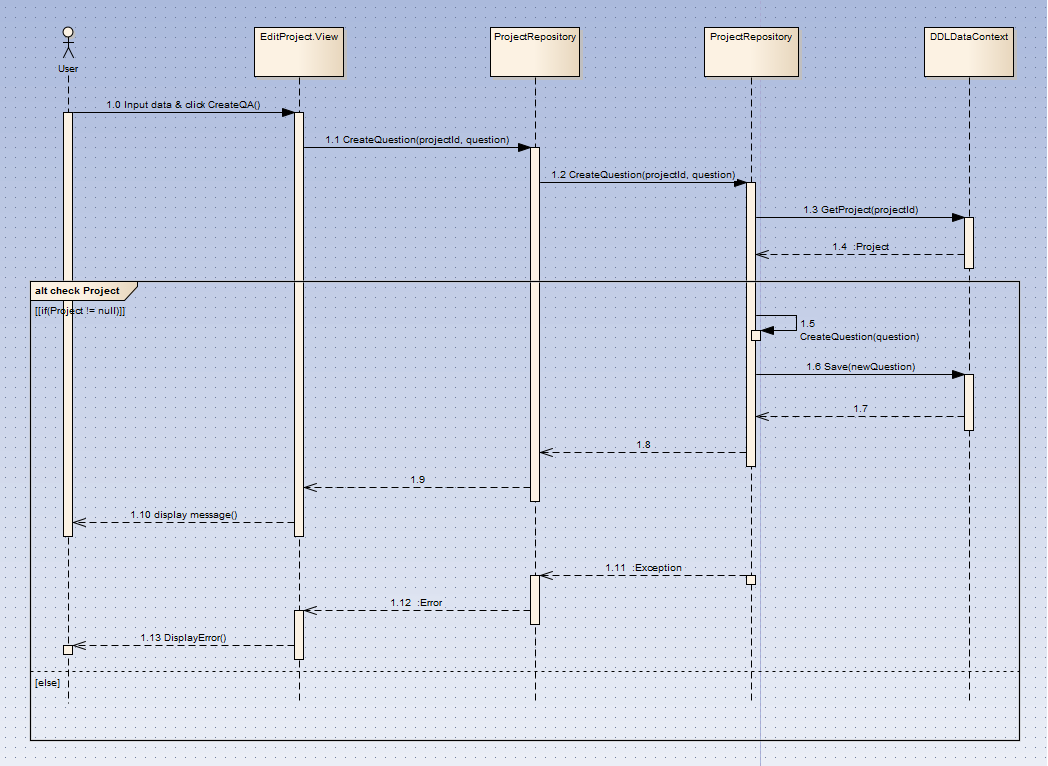
1. Edit update log sequence diagram

#### Delete update log



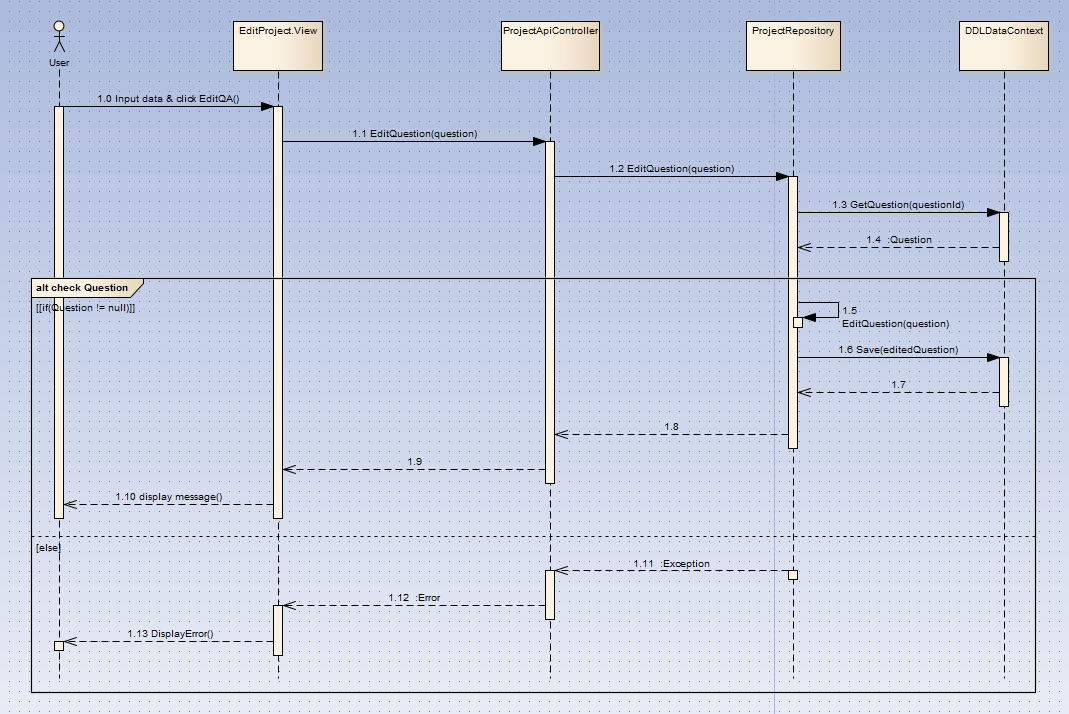
1. Delete update log sequence diagram

#### Create Q&A



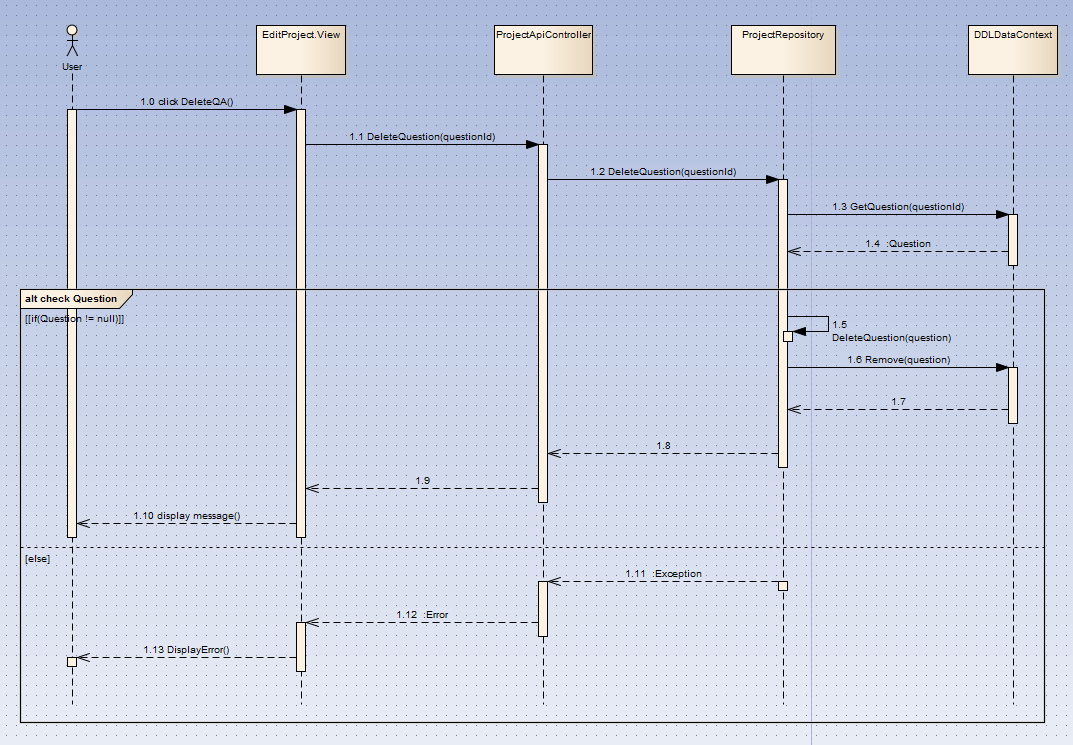
1. Create Q&A sequence diagram

#### Edit Q&A



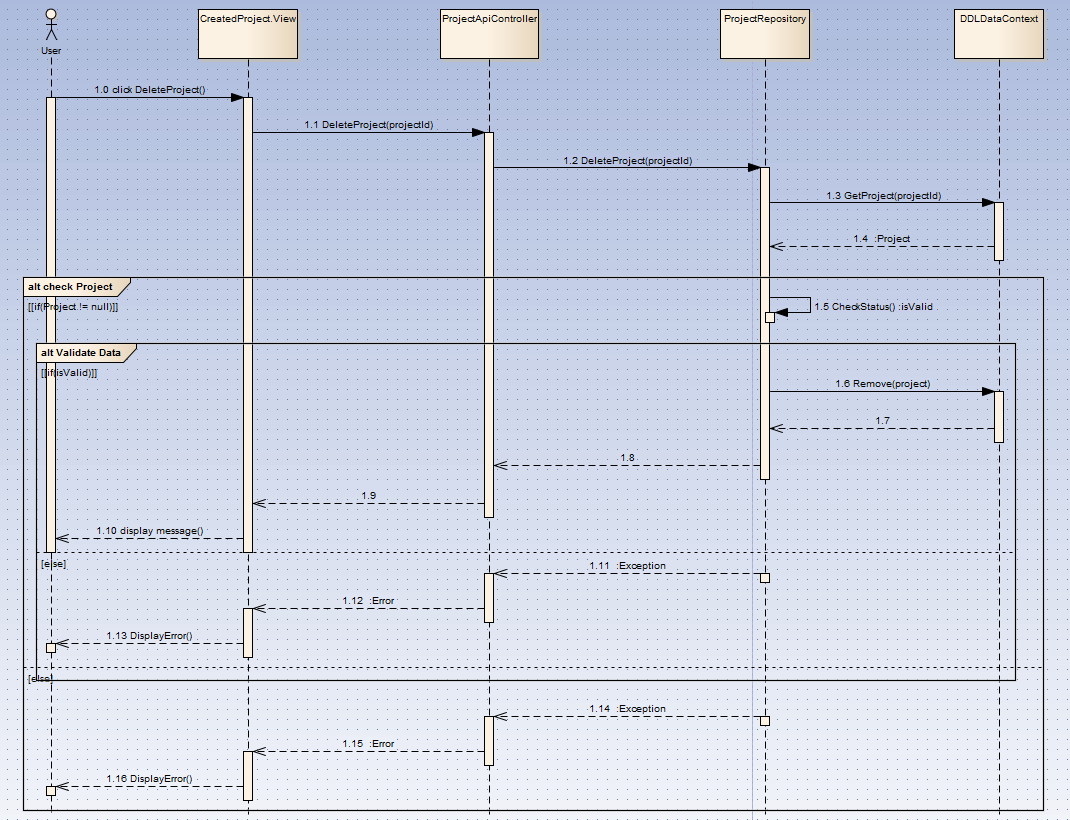
1. Edit Q&A sequence diagram

#### Delete Q&A



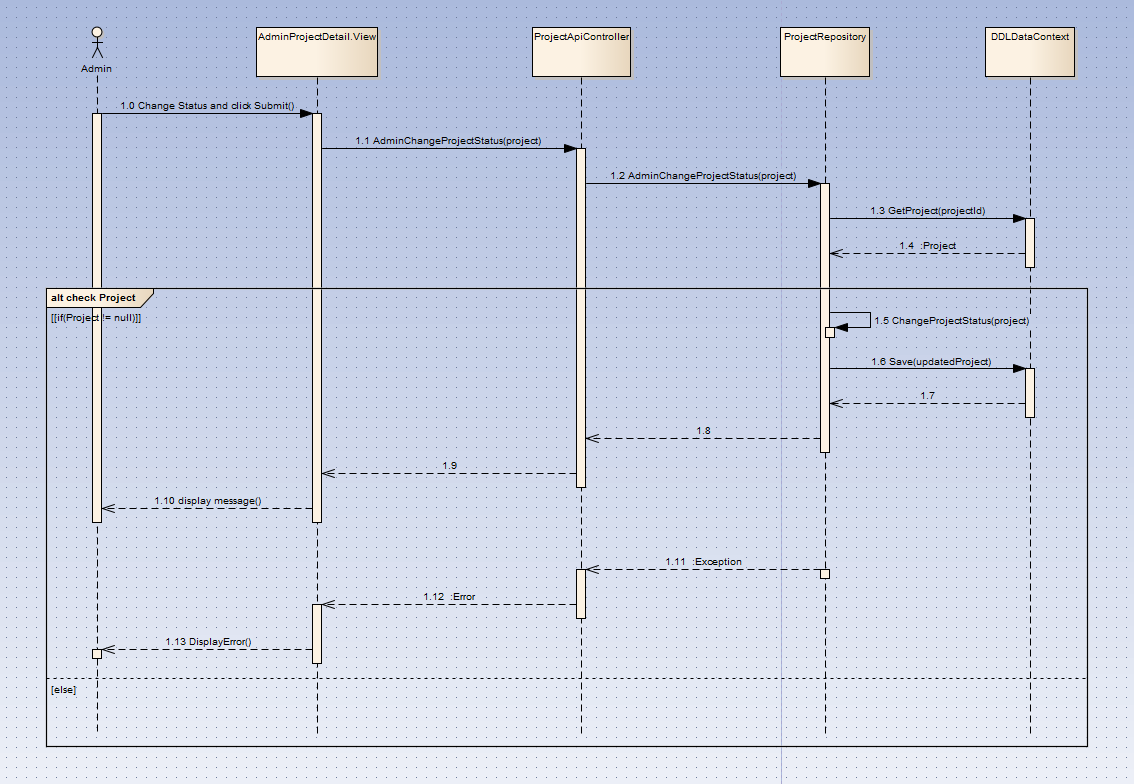
1. Delete Q&A sequence diagram

#### Delete project



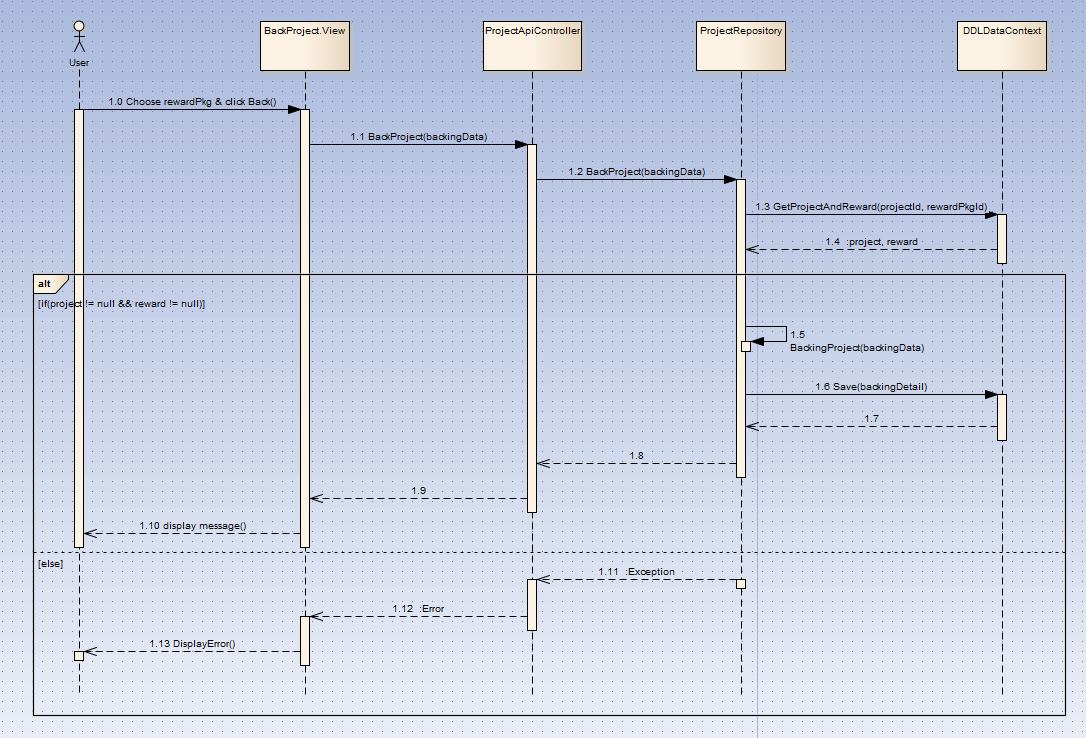
1. Delete project sequence diagram

#### Change project status



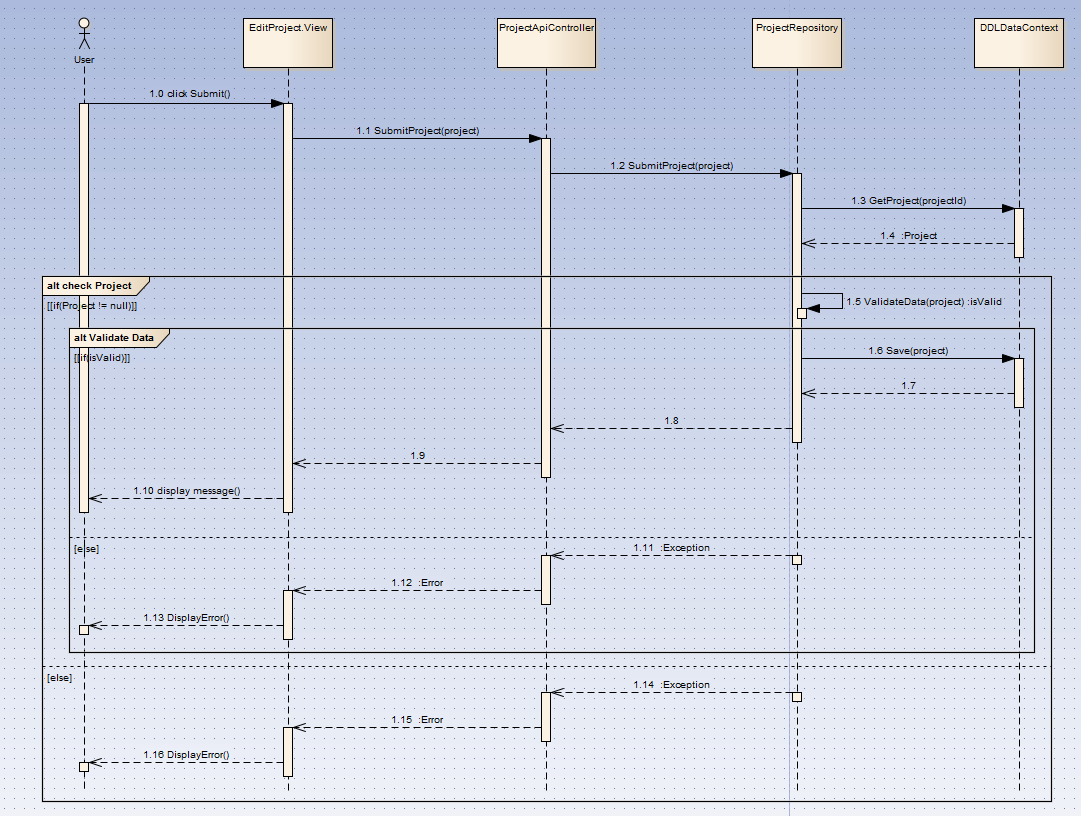
1. Change project status sequence diagram

#### Back project



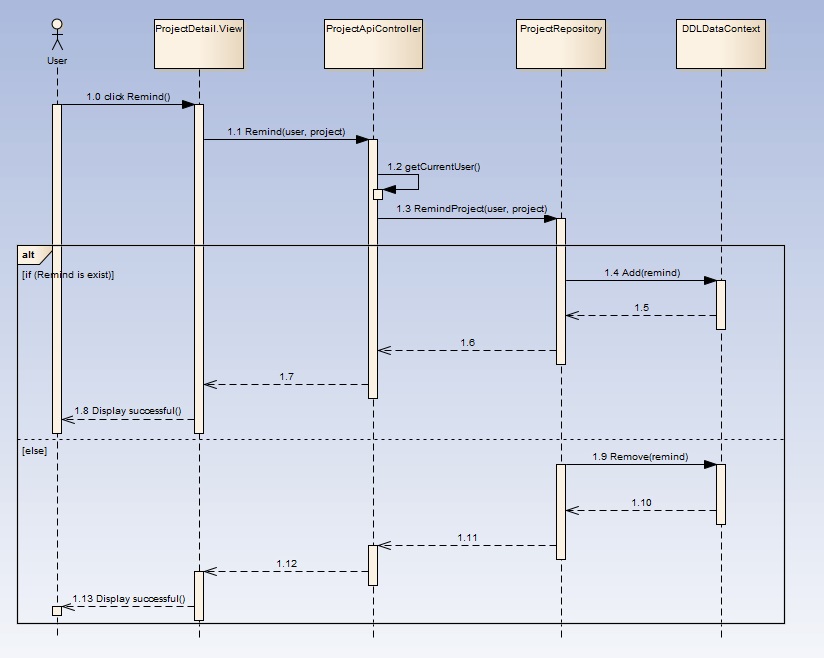
1. Back project sequence diagram

#### Submit project



1. Submit project sequence diagram

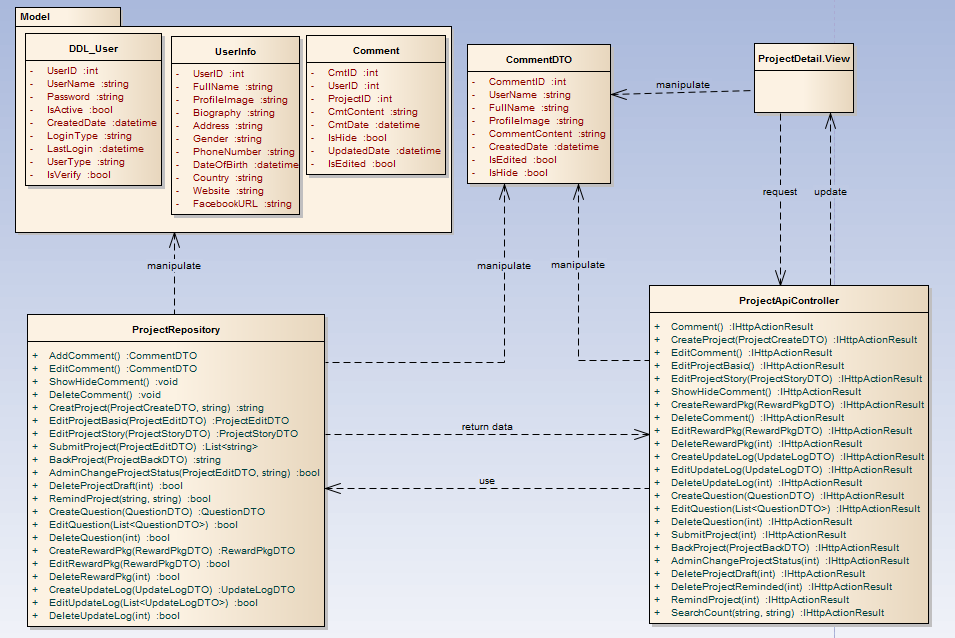
#### Remind Project



1. Remind project sequence diagram

## Comment

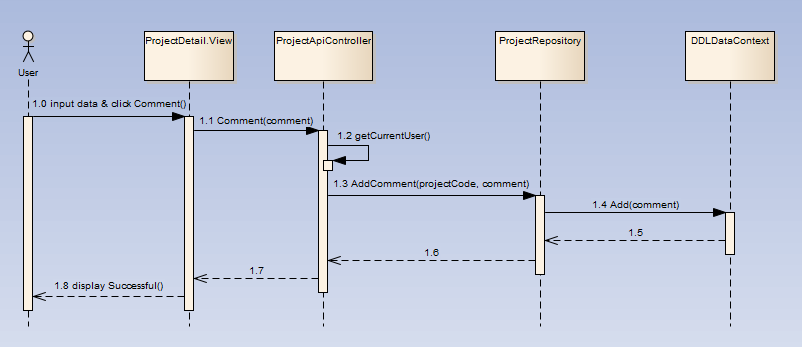
### Class diagram



1. Comment function class diagram

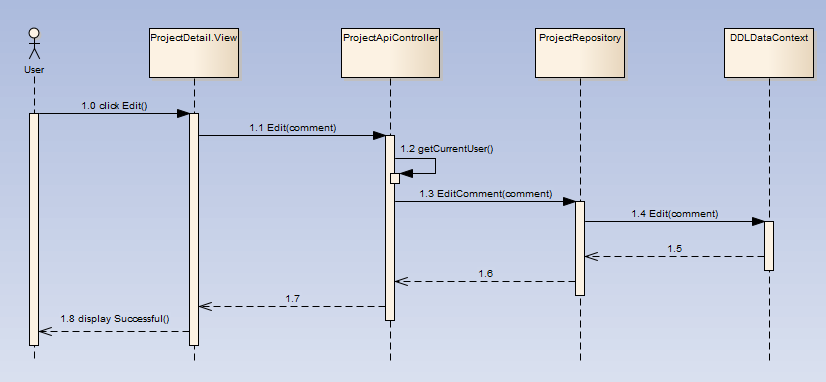
### Sequence diagram

#### Add new comment



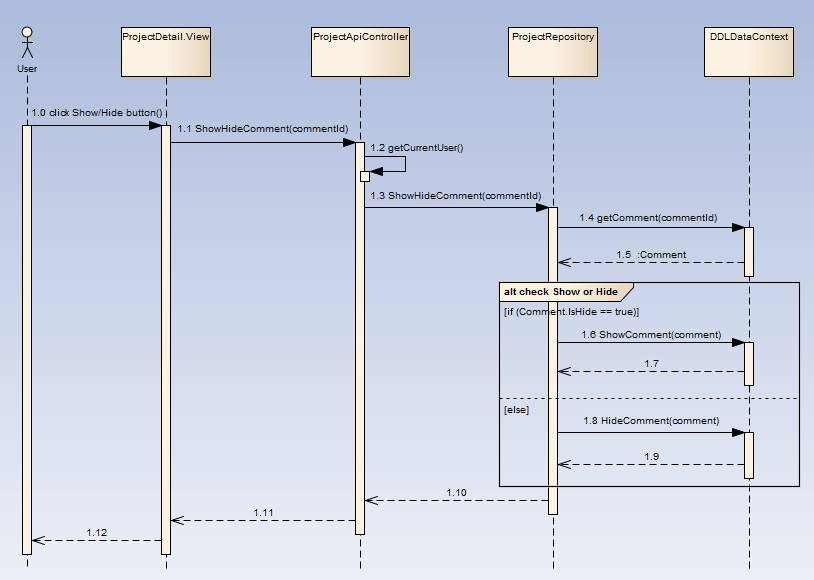
1. Add new comment sequence diagram

#### Edit comment



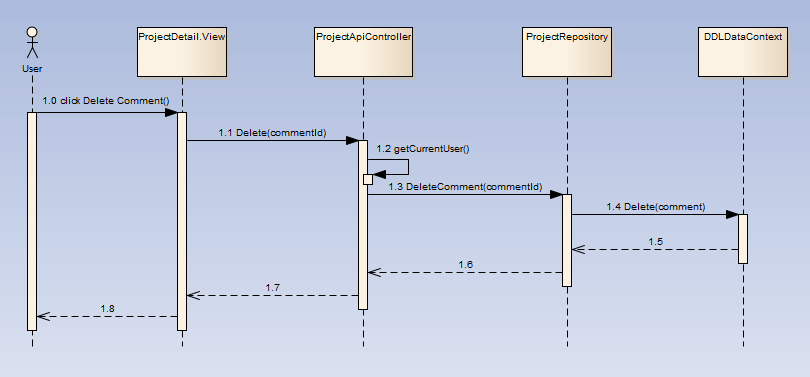
1. Edit comment sequence diagram

#### Show/hide comment



1. Show/hide comment sequence diagram

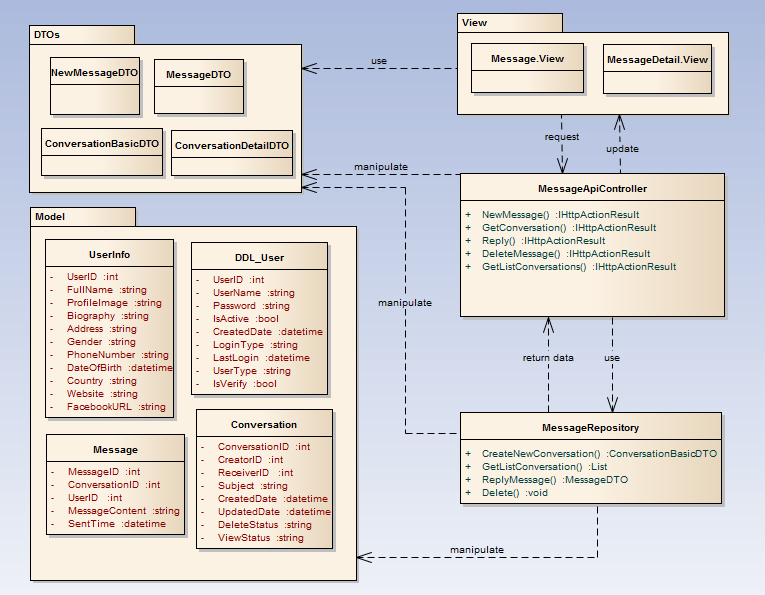
#### Delete comment



1. Delete comment sequence diagram

## Message

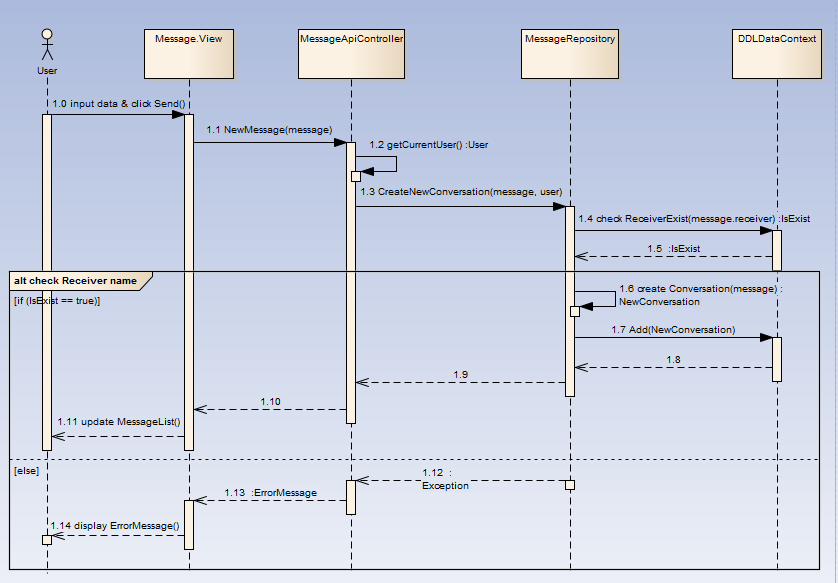
### Class diagram



1. Message function class diagram

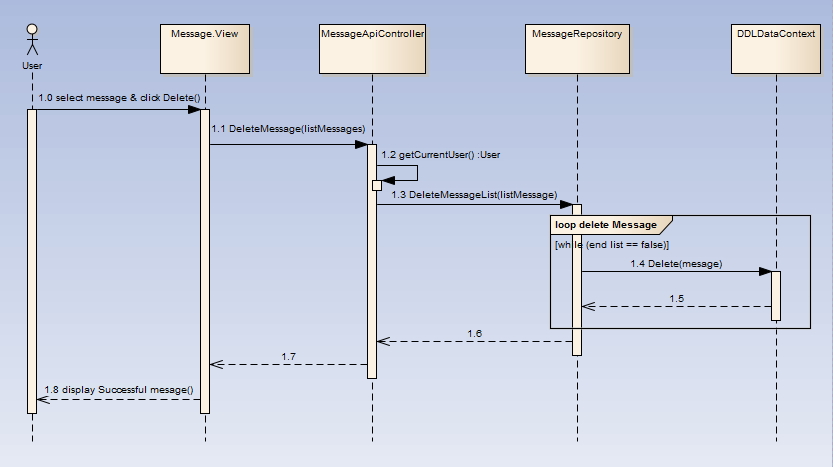
### Sequence diagram

#### Send message



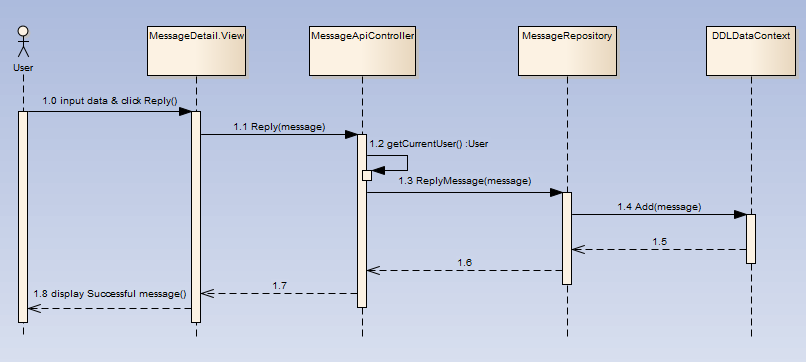
1. Send message sequence diagram

#### Delete message



1. Delete message sequence diagram

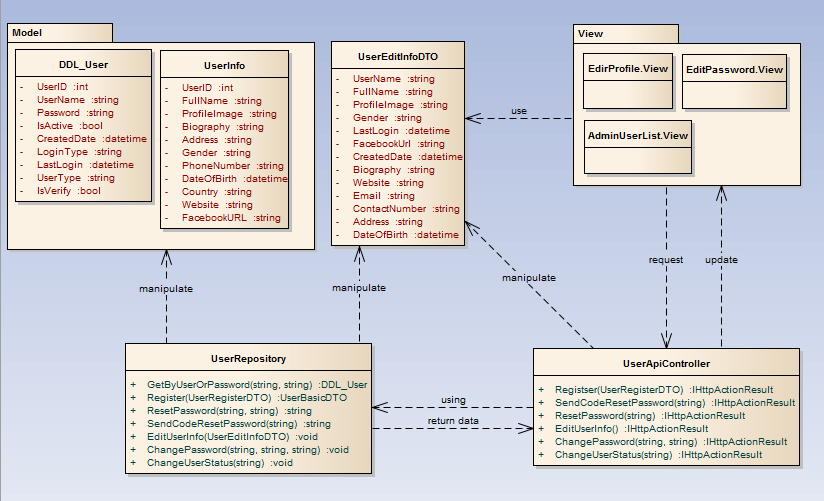
#### Reply message



1. Reply message sequence diagram

## User Management

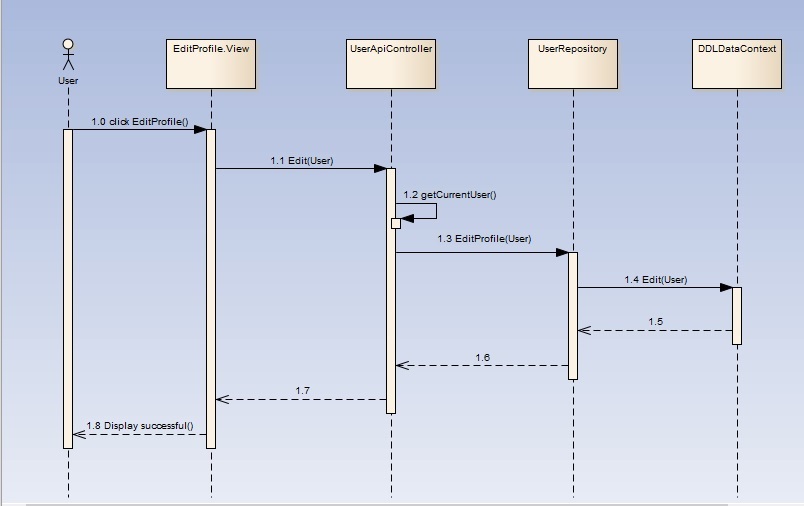
### Class diagram



1. User management class diagram

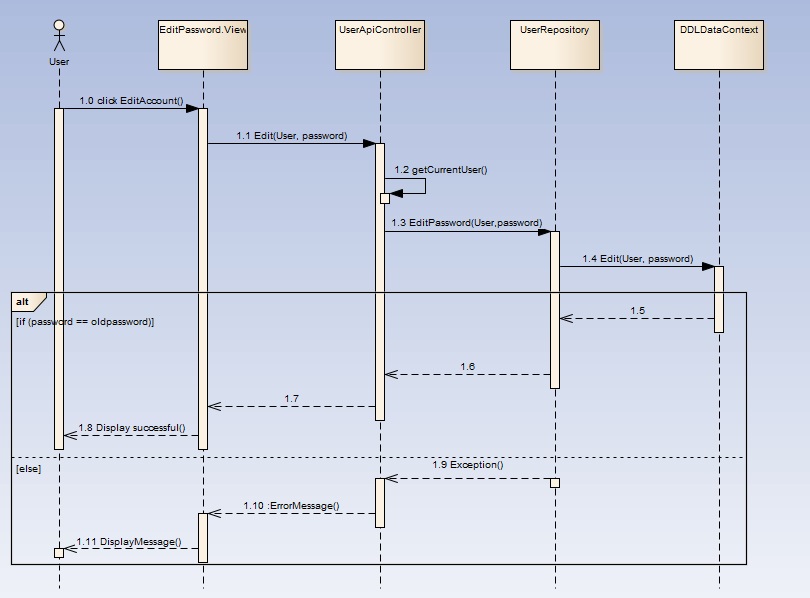
### Sequence diagram

#### Edit profile



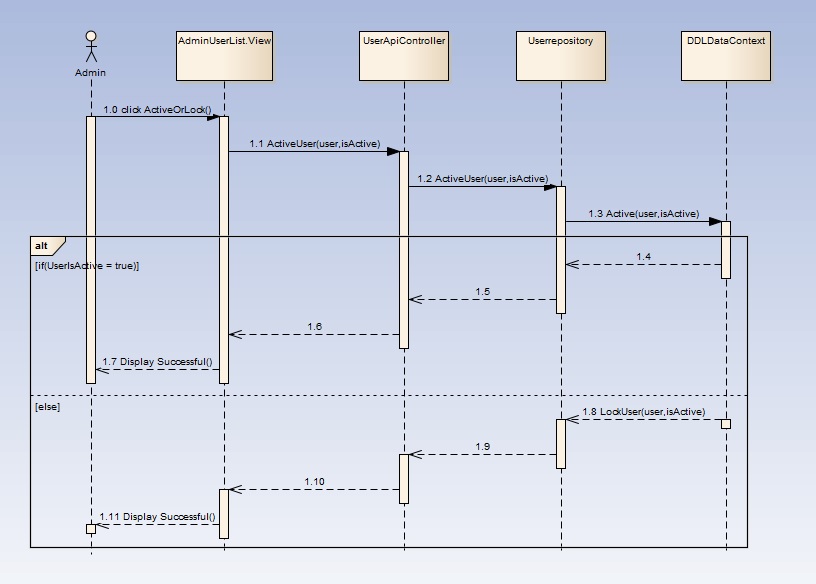
1. Edit profile sequence diagram

#### Change password



1. Change password sequence diagram

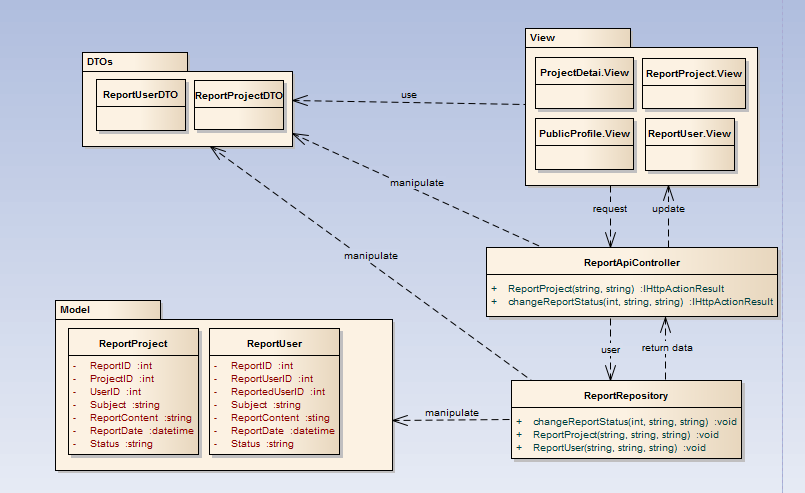
#### Active/deactive user



1. Active/ deactive user sequence diagram

## Report Management

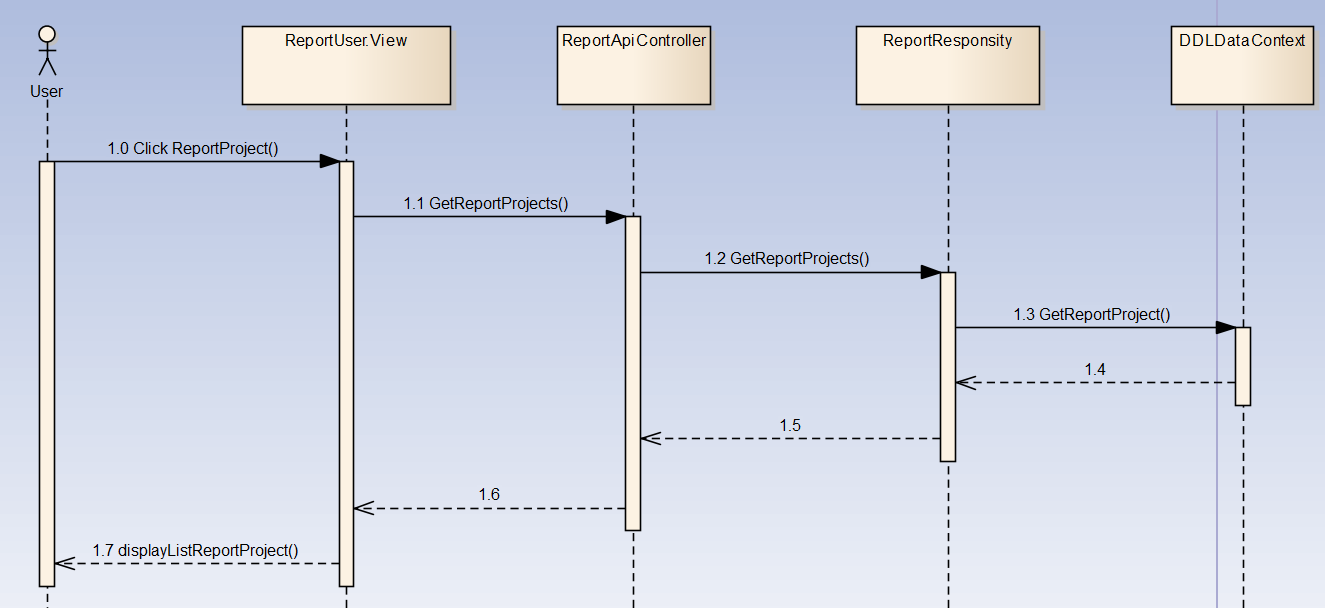
### Class diagram



1. Report management class diagram

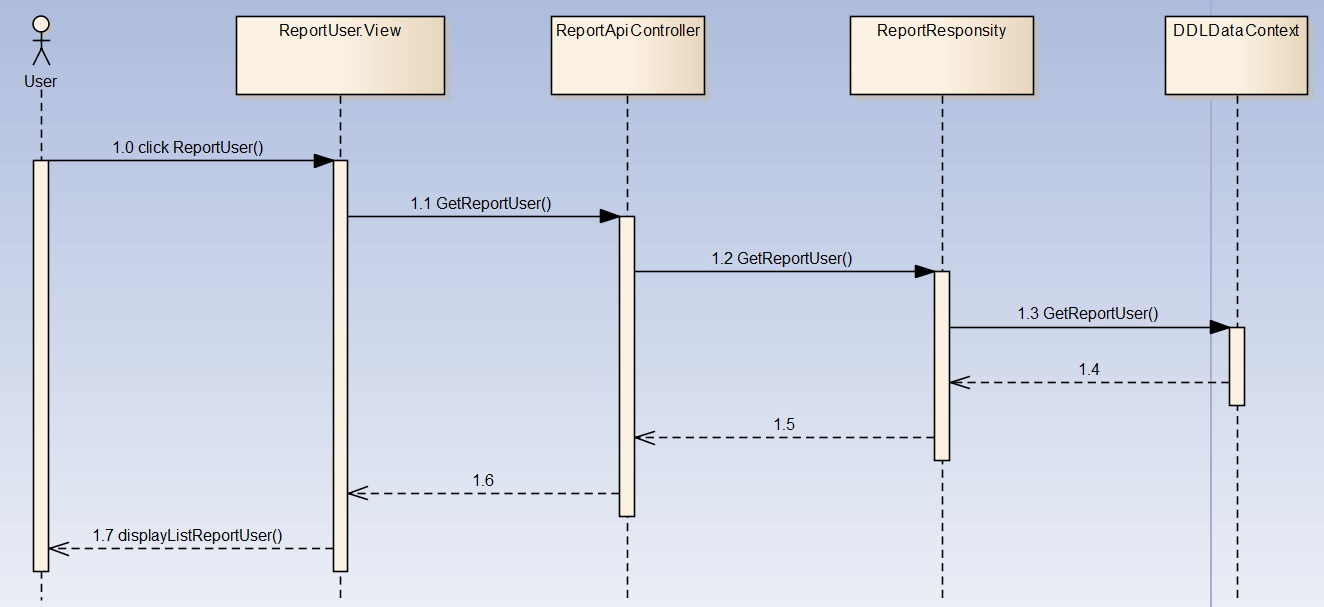
### Sequence diagram

#### Report Project



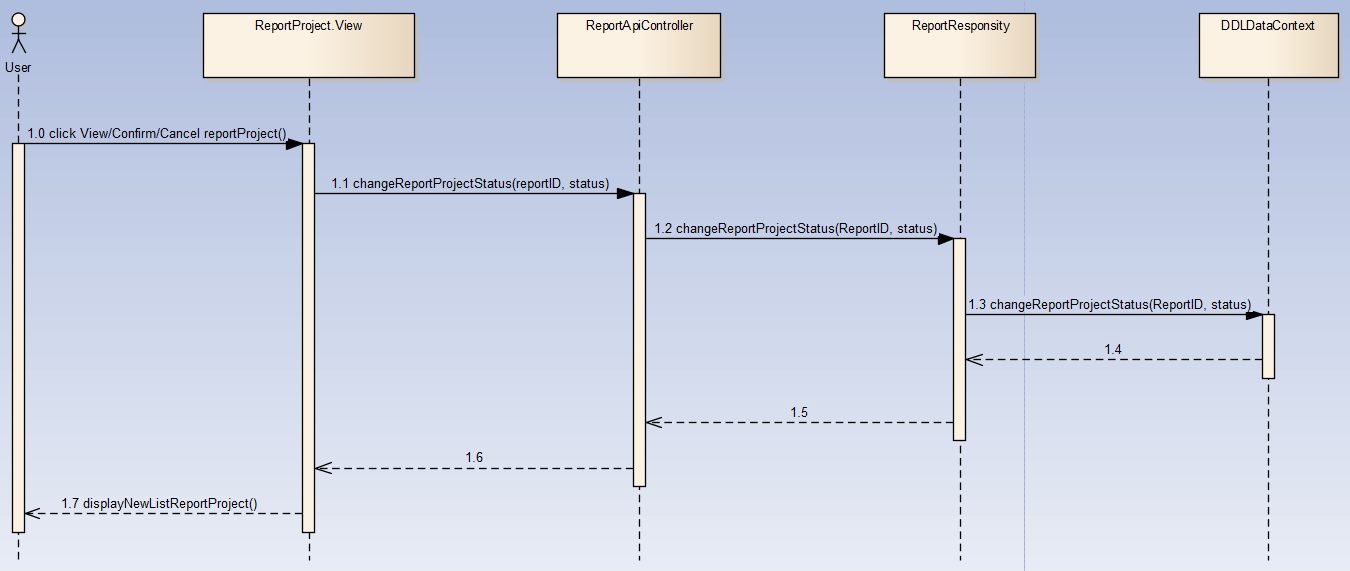
1. Report project sequence diagram

#### Report User



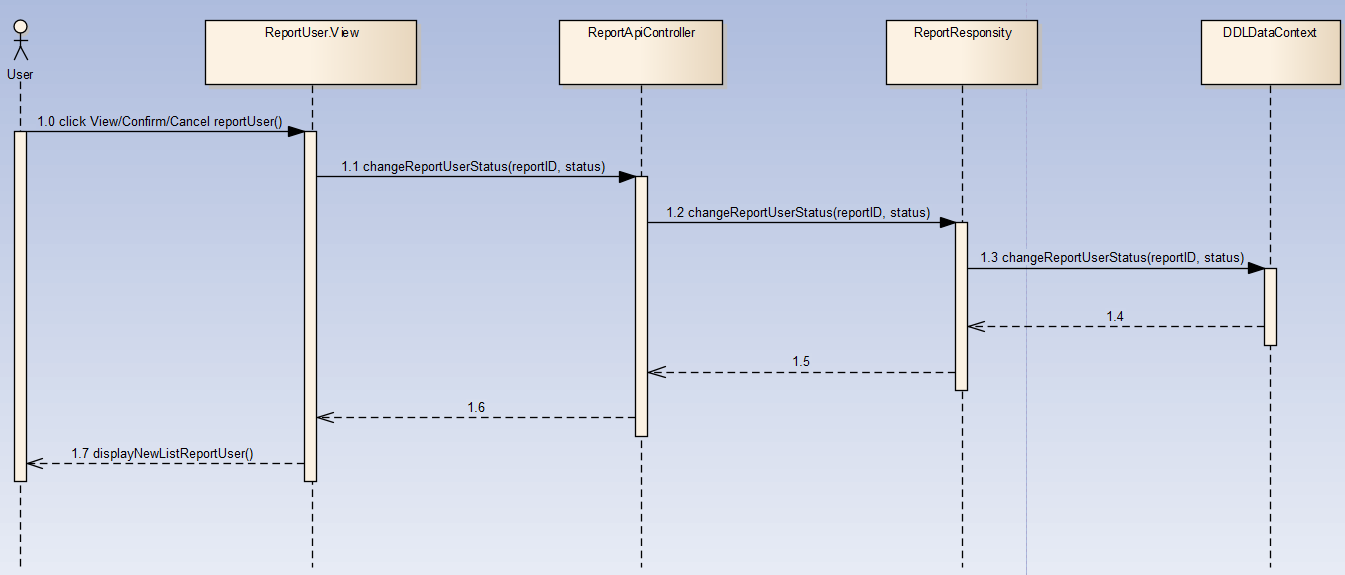
1. Report user sequence diagram

#### Change project report status



1. Change project report status sequence diagram

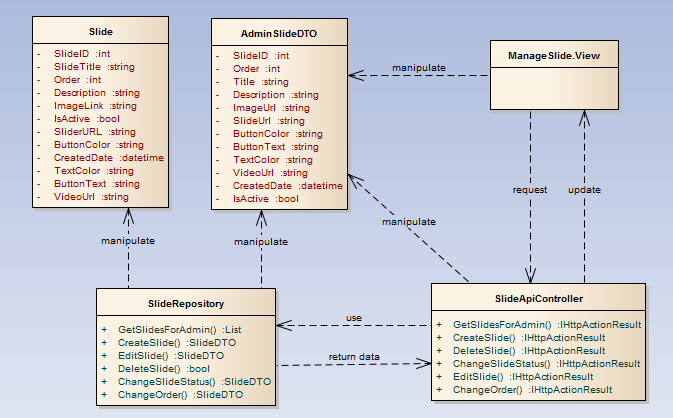
#### Change user report status



1. Change project report status sequence diagram

## Manage Slide

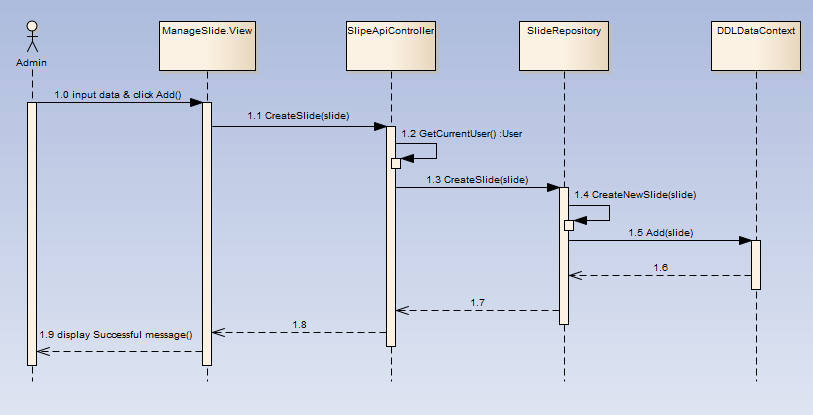
### Class diagram



1. Manage Slide class diagram

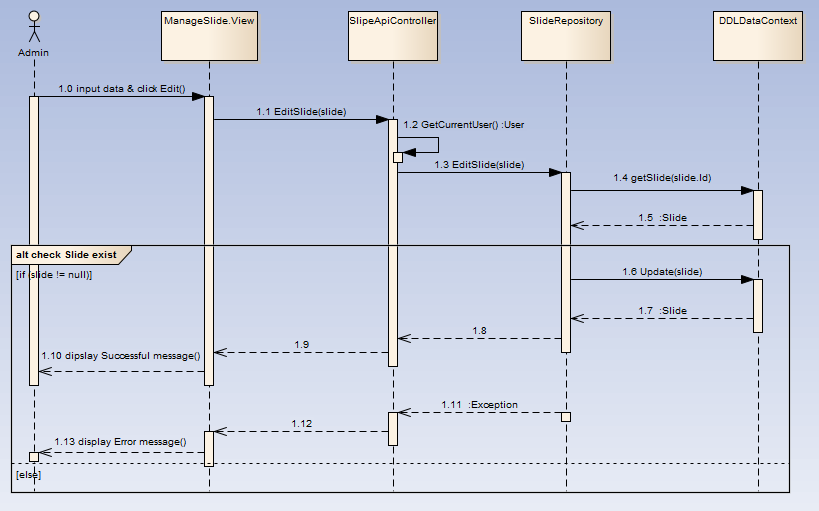
### Sequence diagram

#### Add slide



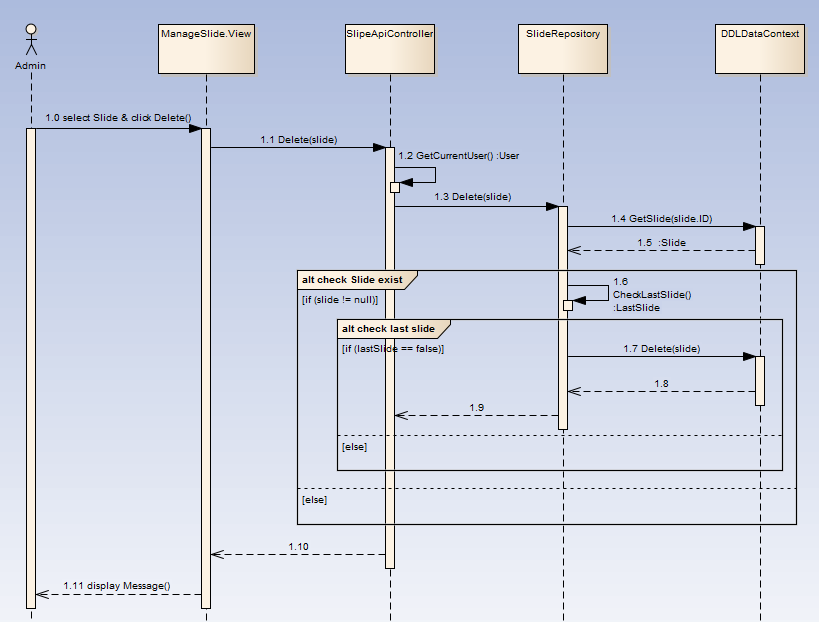
1. Add slide sequence diagram

#### Edit slide



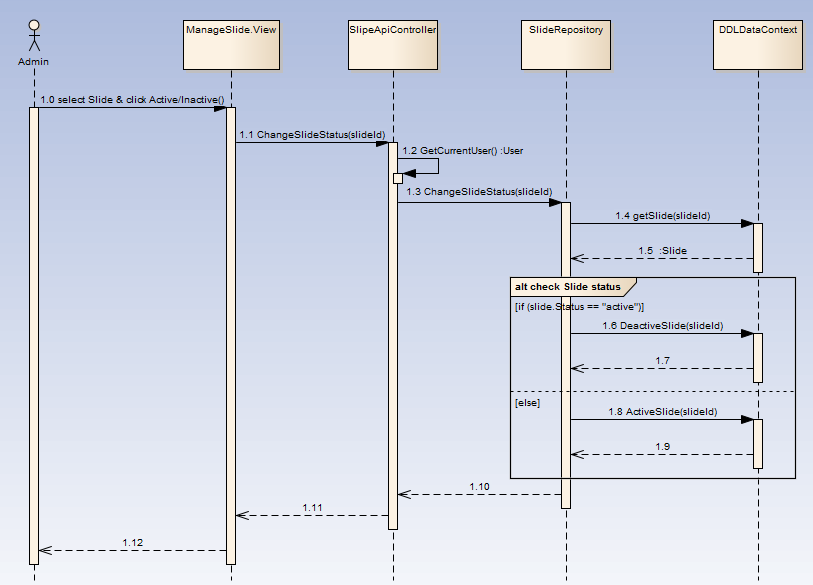
1. Edit slide sequence diagram

#### Delete slide



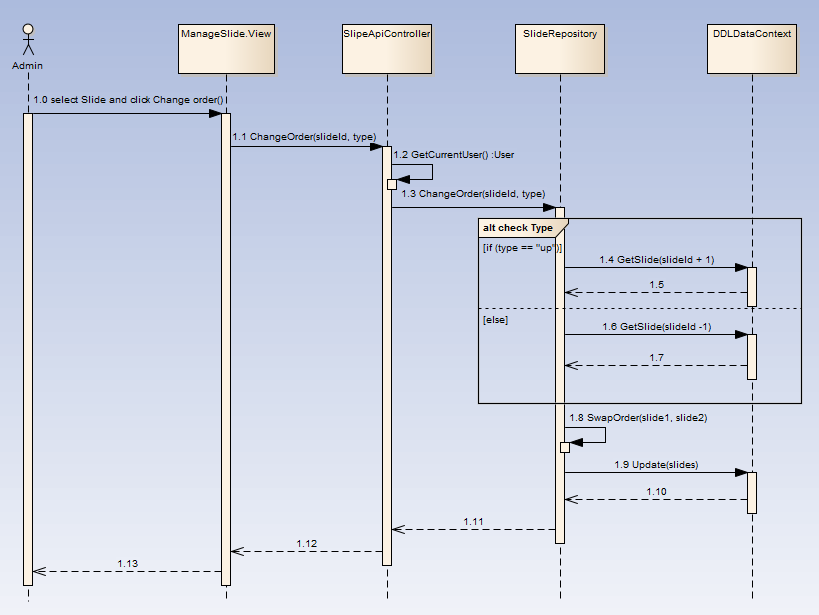
1. Delete slide sequence diagram

#### Active/deactive slide



1. Active/deactive slide sequence diagram

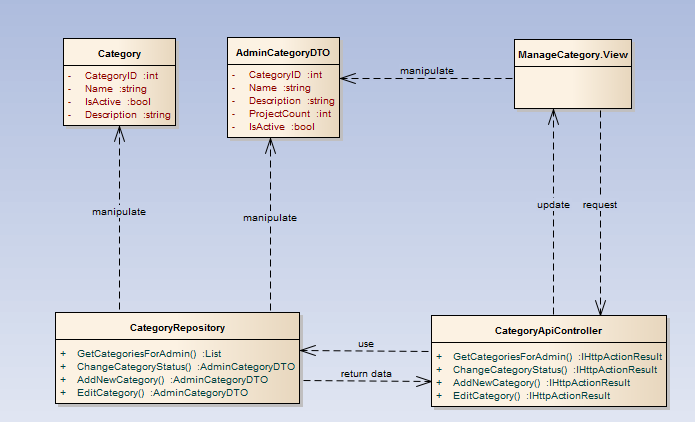
#### Change slide order



1. Change slide order sequence diagram

## Manage Category

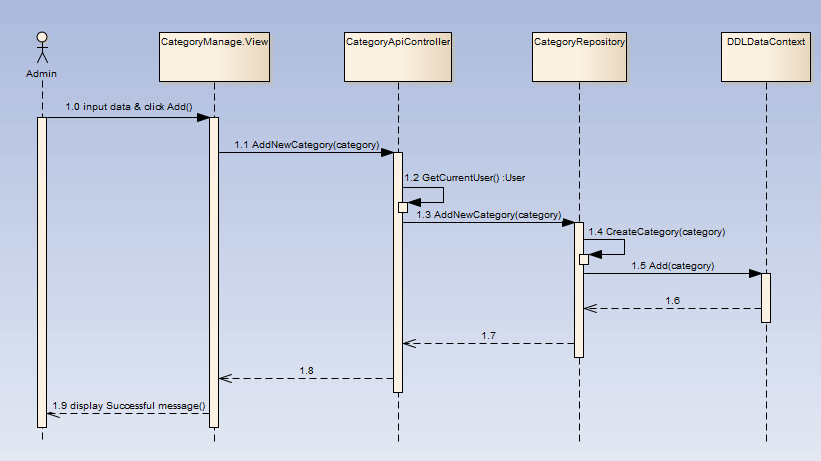
### Class diagram



1. Manage category class diagram

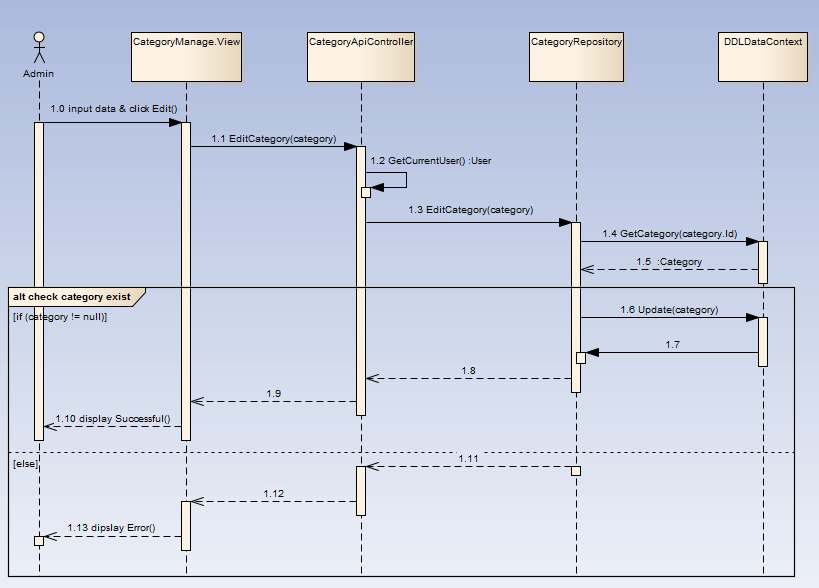
### Sequence diagram

#### Add category



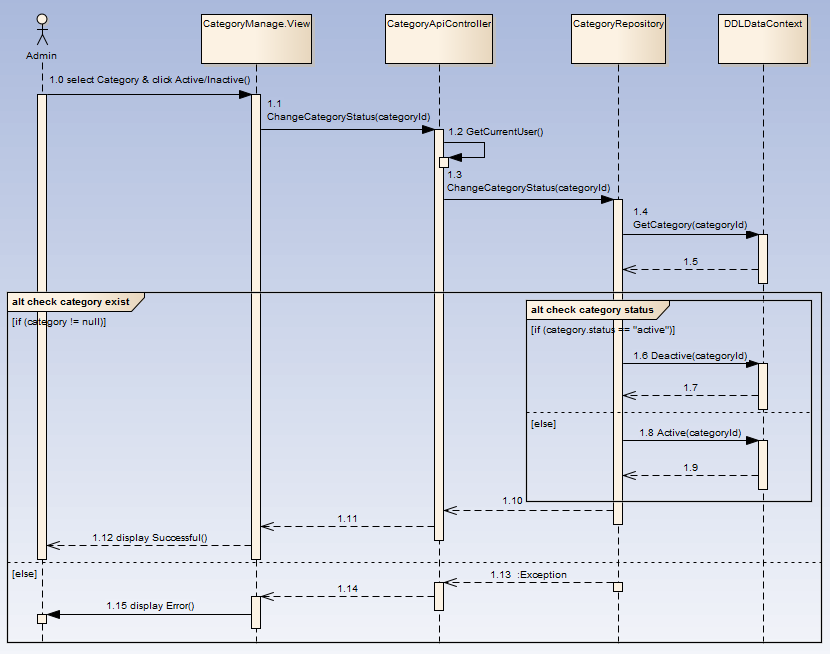
1. Add category sequence diagram

#### Edit category



1. Edit category sequence diagram

#### Active/deactive category



1. Active/deactive category sequence diagram