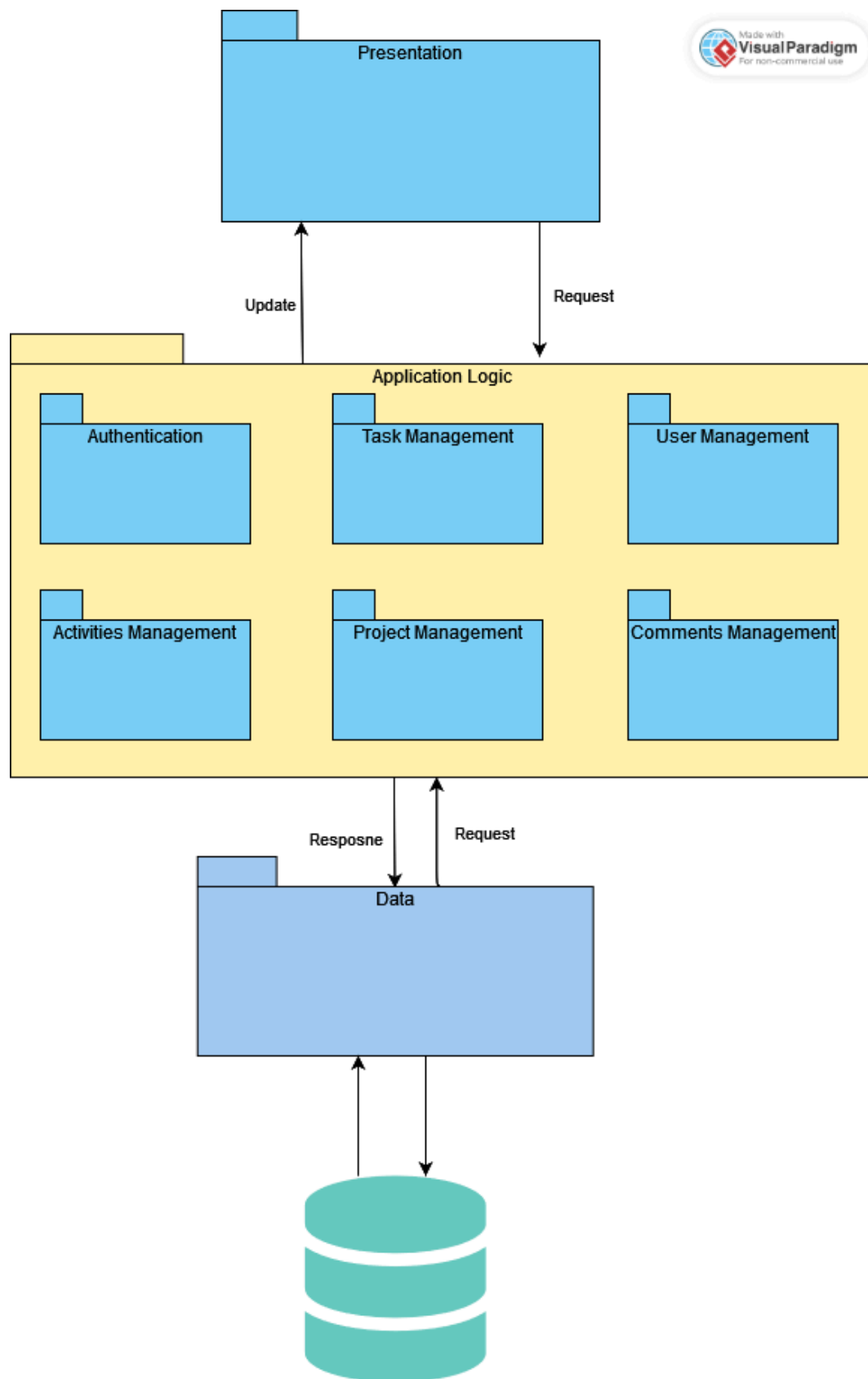


# Final Design Document

# Table of contents

<b>1. System Architecture</b>	<b>3</b>
<b>2. Sequence Diagrams</b>	<b>4</b>
1. Account Login	4
2. Account Registration	4
3. Addition of New Task	5
4. Removal of Existing Task	5
5. Editing of Existing Task	6
6. Add New Project	6
7. Edit Project	7
8. Delete Project	7
<b>3. Class Diagrams</b>	<b>8</b>
1. Account Login	8
2. Account Registration	8
3. Addition of New Task	9
4. Removal of Existing Task	10
5. Editing of Existing Task	11
6. Add New Project	12
7. Edit Project	13
8. Delete Project	14
<b>4. User Interface</b>	<b>14</b>
1. Account Login	15
2. Account Registration	15
3. Addition of New Task	16
4. Removal of Existing Task	17
5. Editing of Existing Task	18
6. Add project / Edit project	19
7. View All Tasks	20
<b>5. Database Diagram</b>	<b>21</b>
<b>6. Design decisions and rationale</b>	<b>21</b>

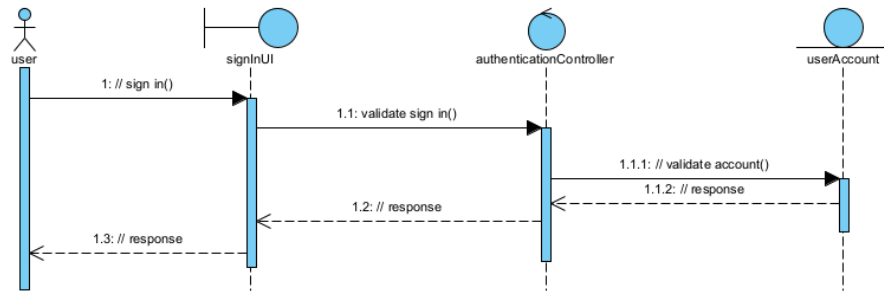
# 1. System Architecture



## 2. Sequence Diagrams

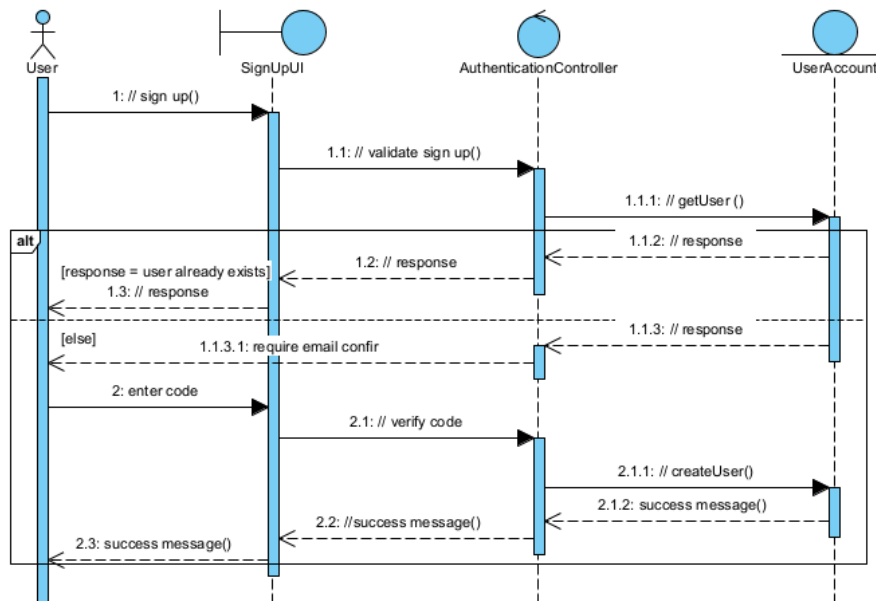
### 1. Account Login

sd [Đăng nhập] /

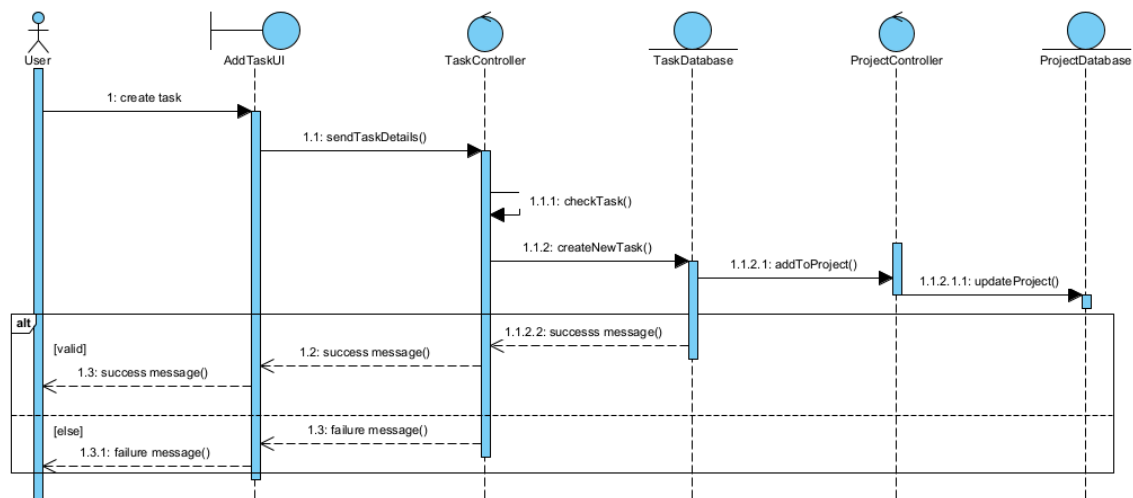


### 2. Account Registration

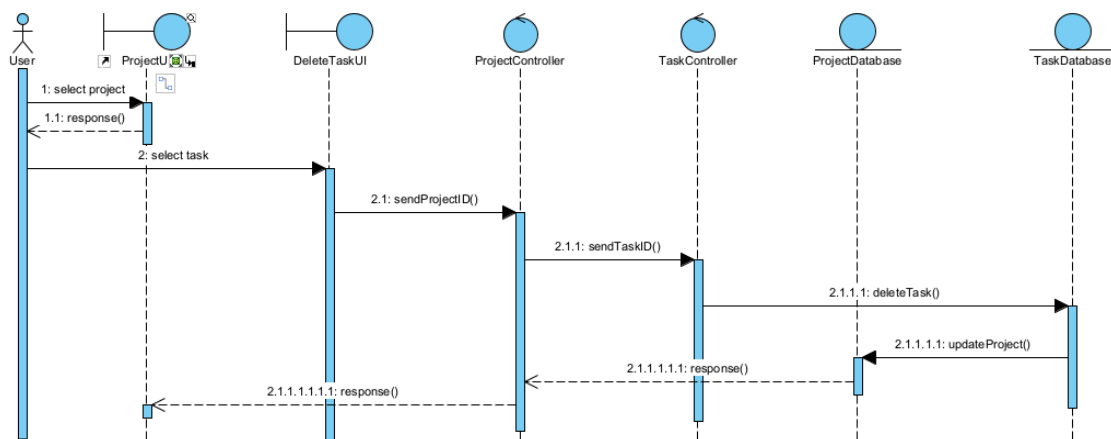
sd [Đăng ký] /



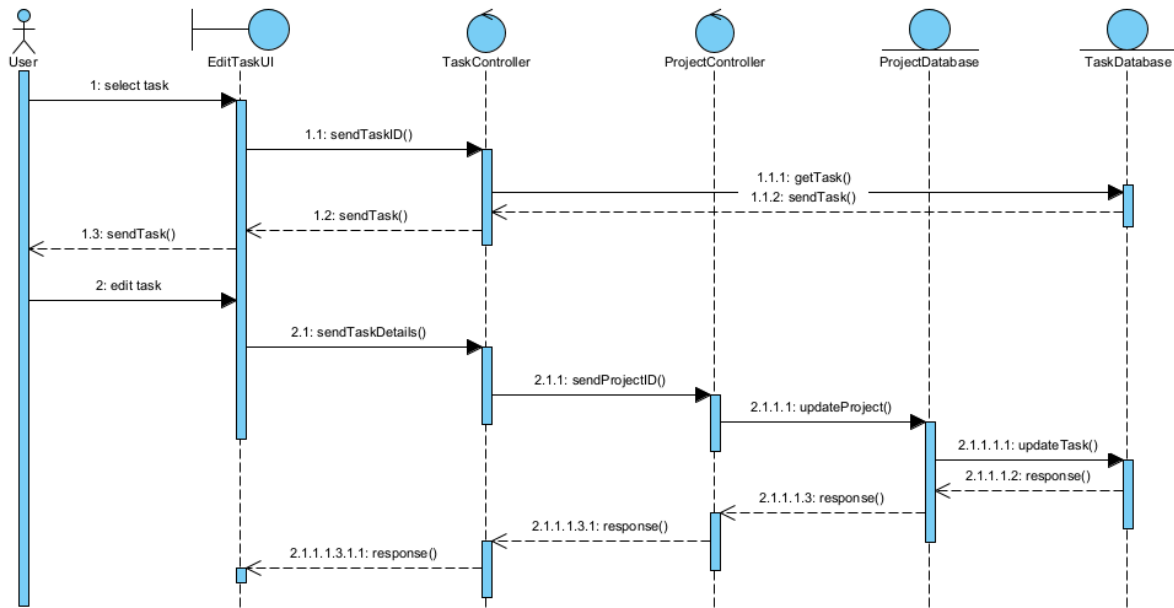
### 3. Addition of New Task



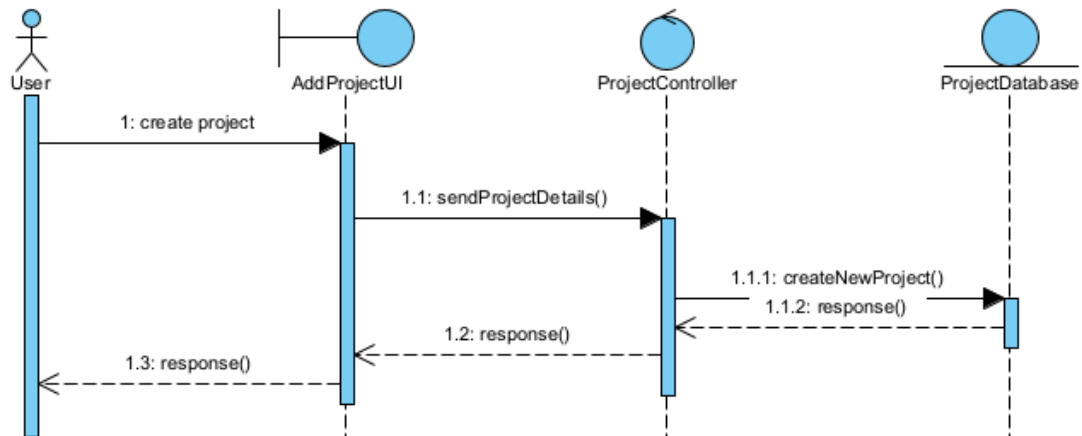
### 4. Removal of Existing Task



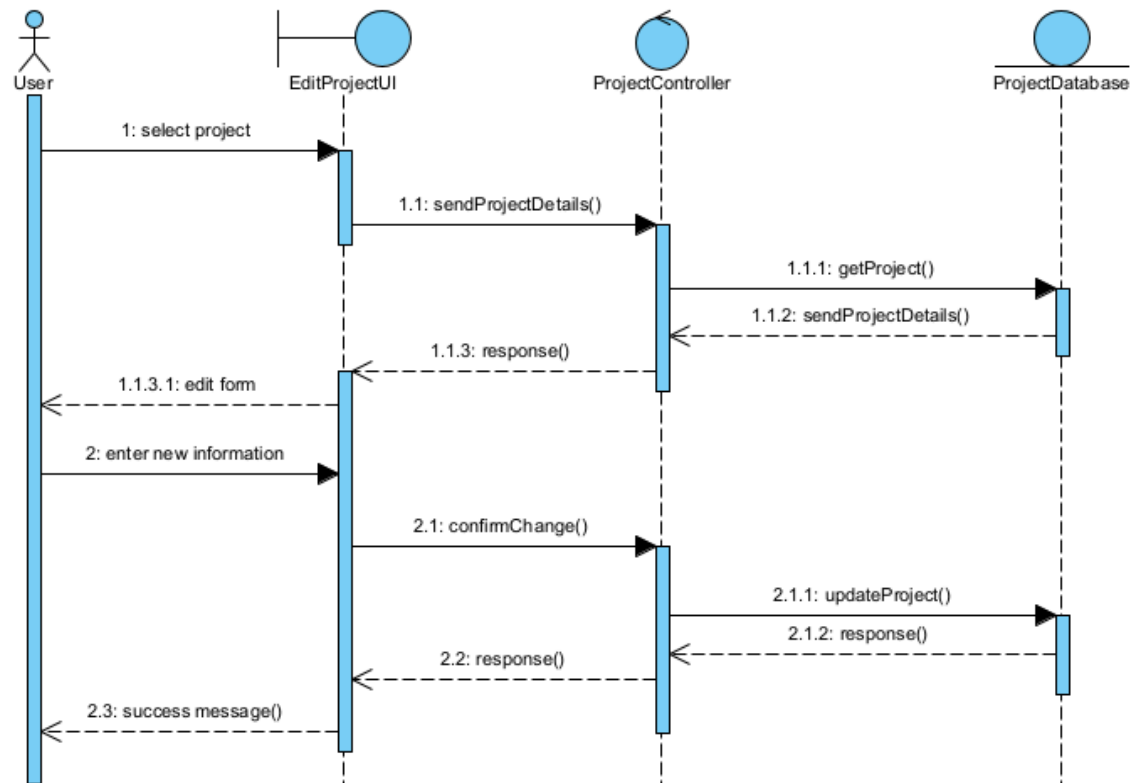
## 5. Editing of Existing Task



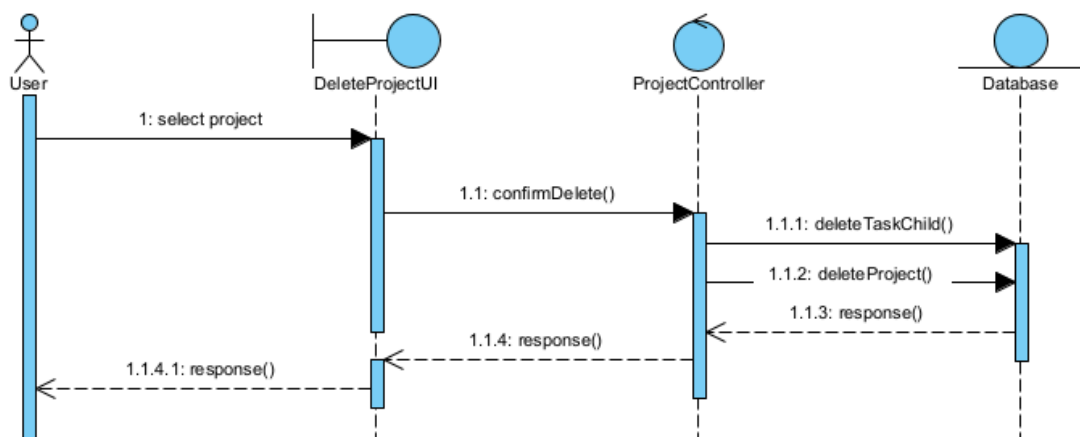
## 6. Add New Project



## 7. Edit Project

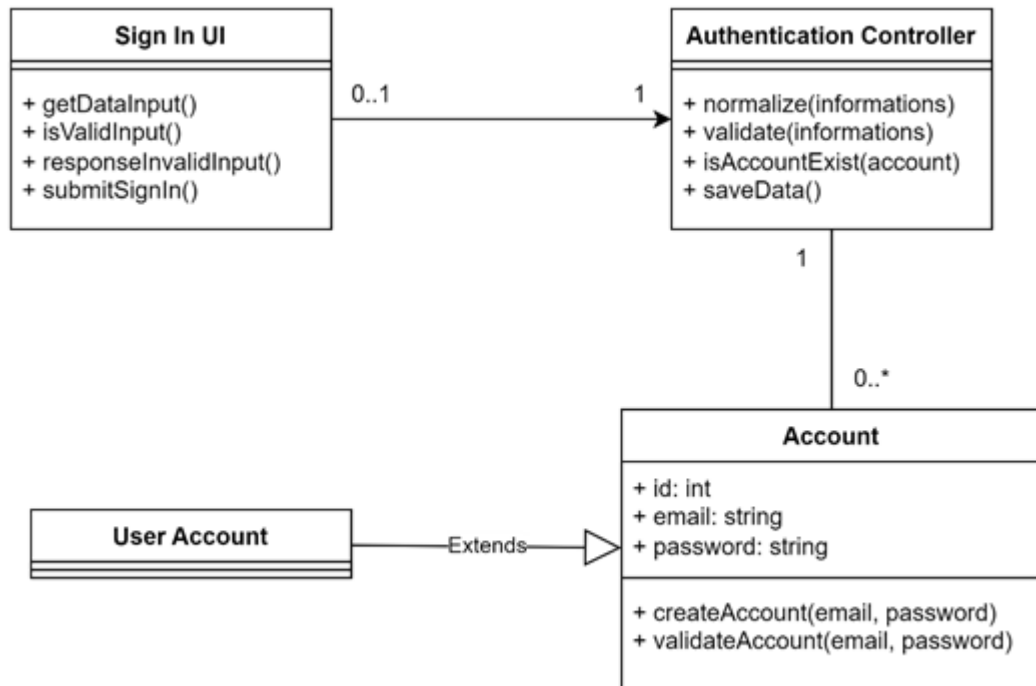


## 8. Delete Project

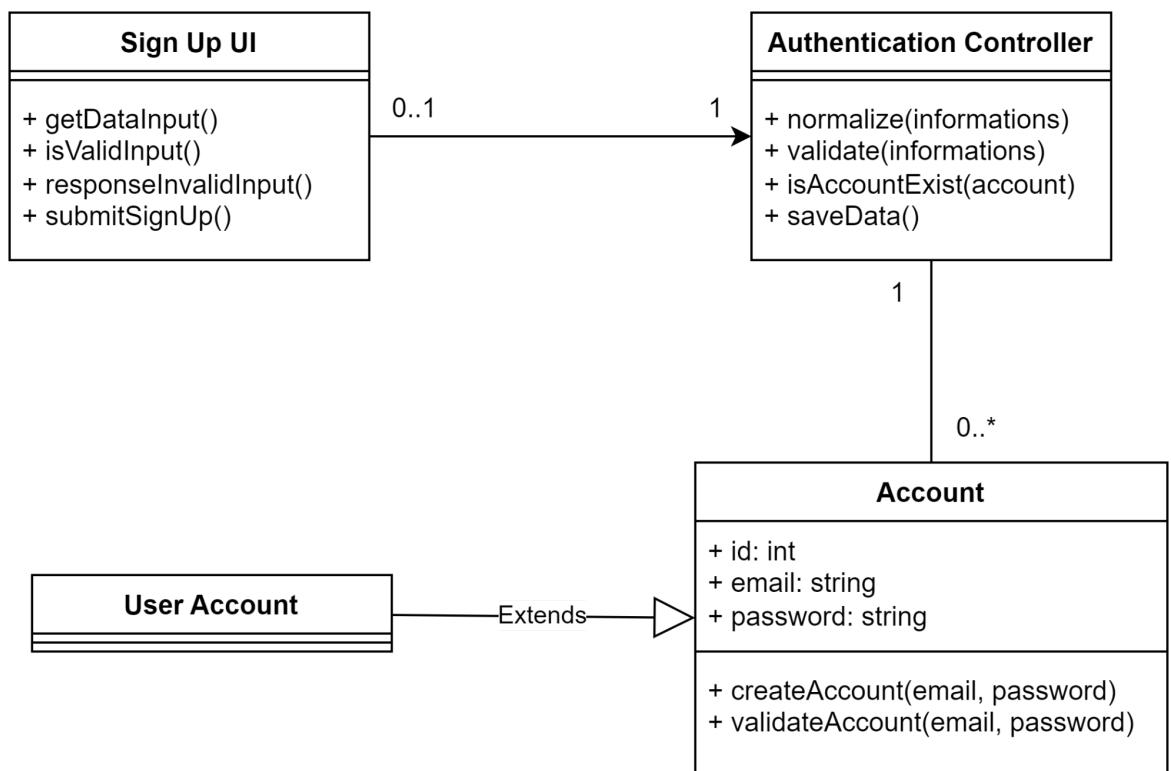


### 3. Class Diagrams

#### 1. Account Login

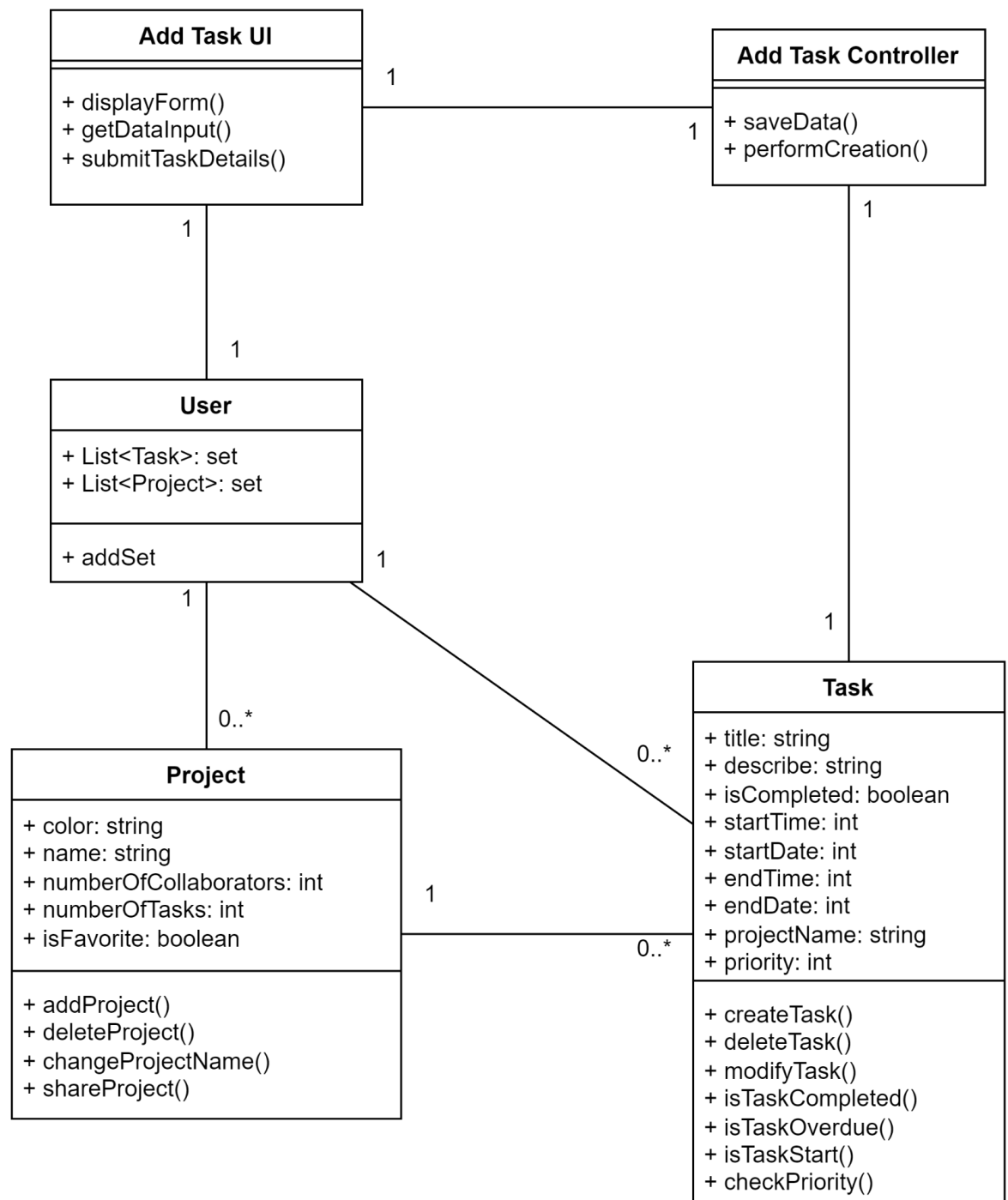


#### 2. Account Registration

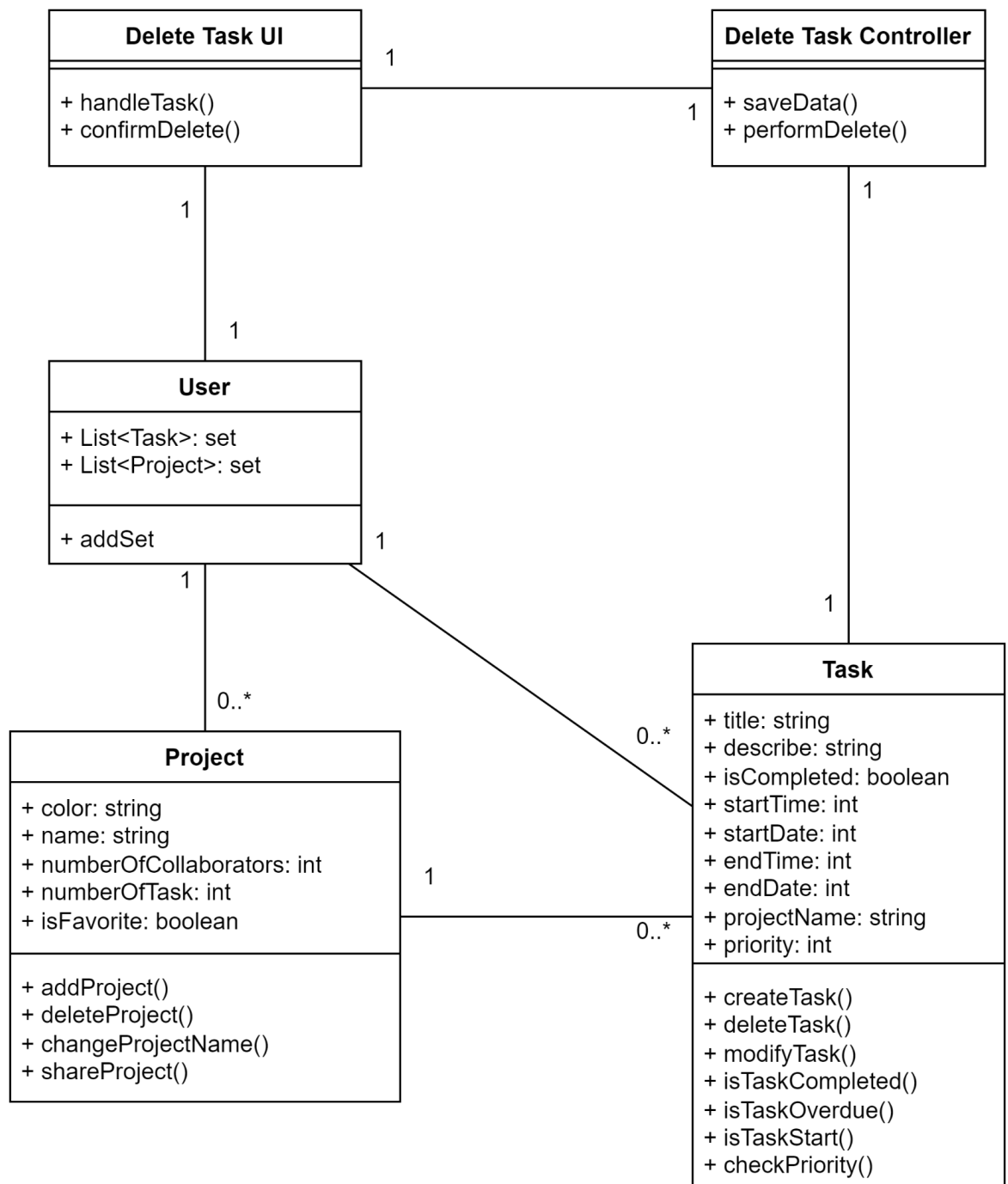




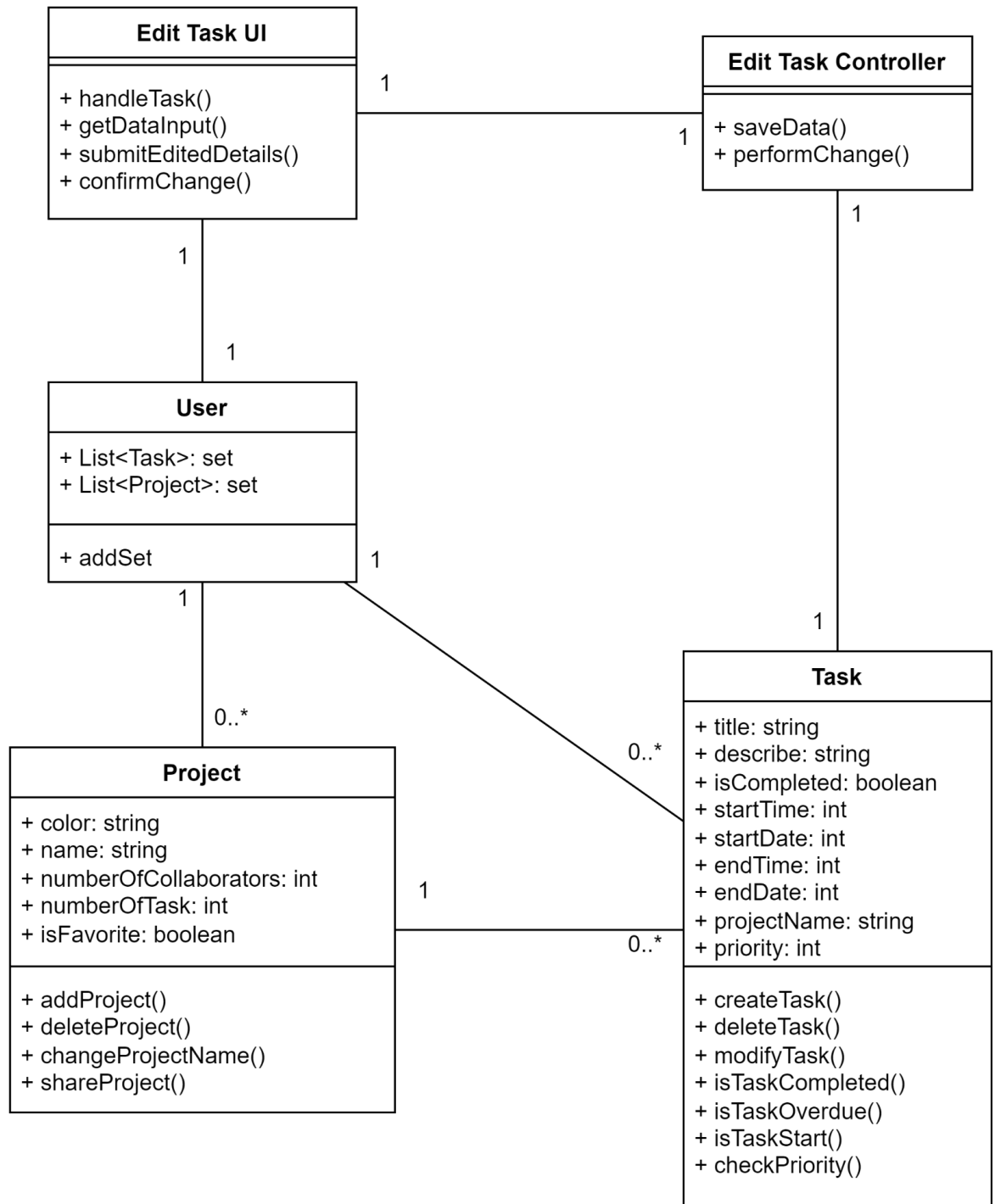
### 3. Addition of New Task



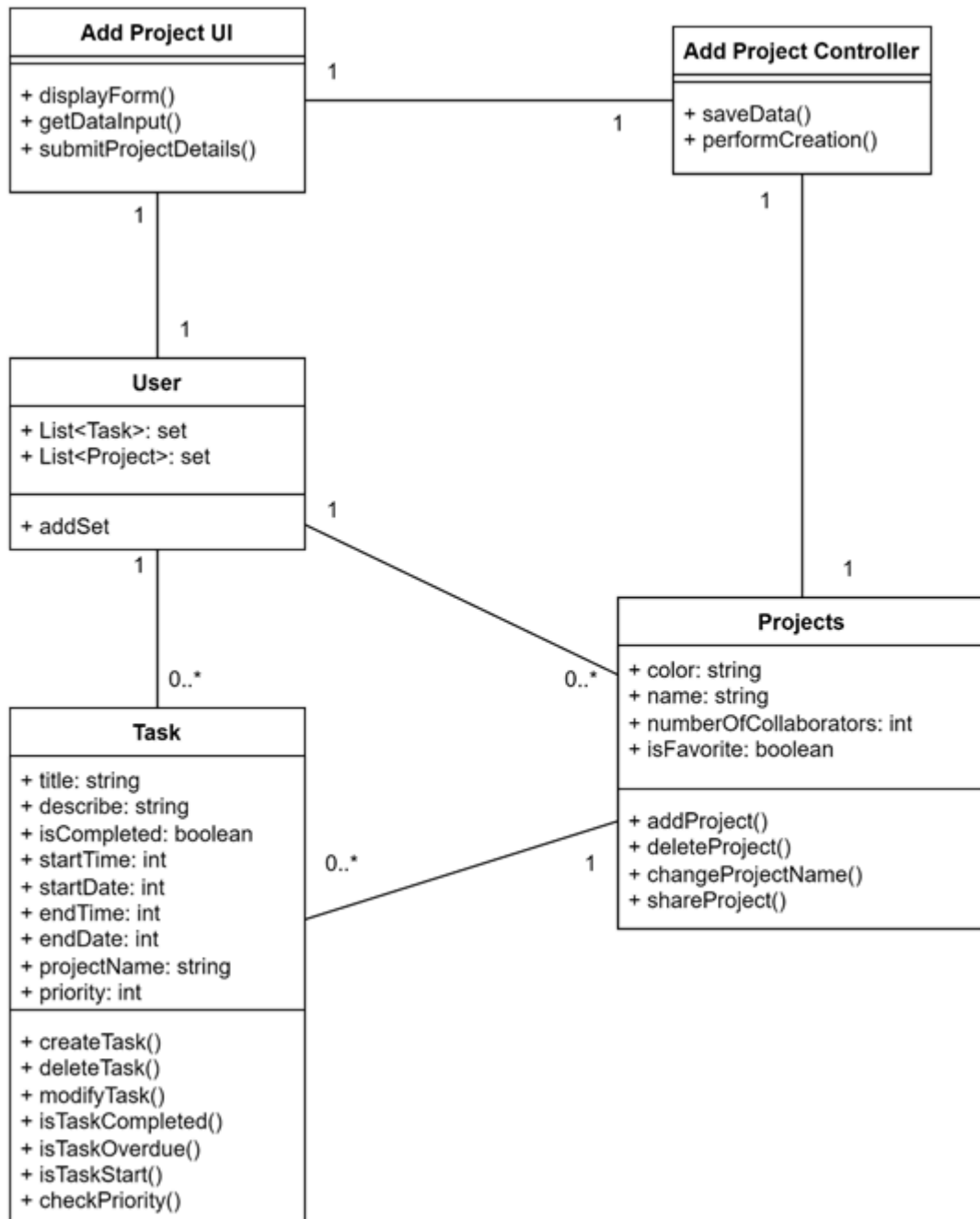
#### 4. Removal of Existing Task



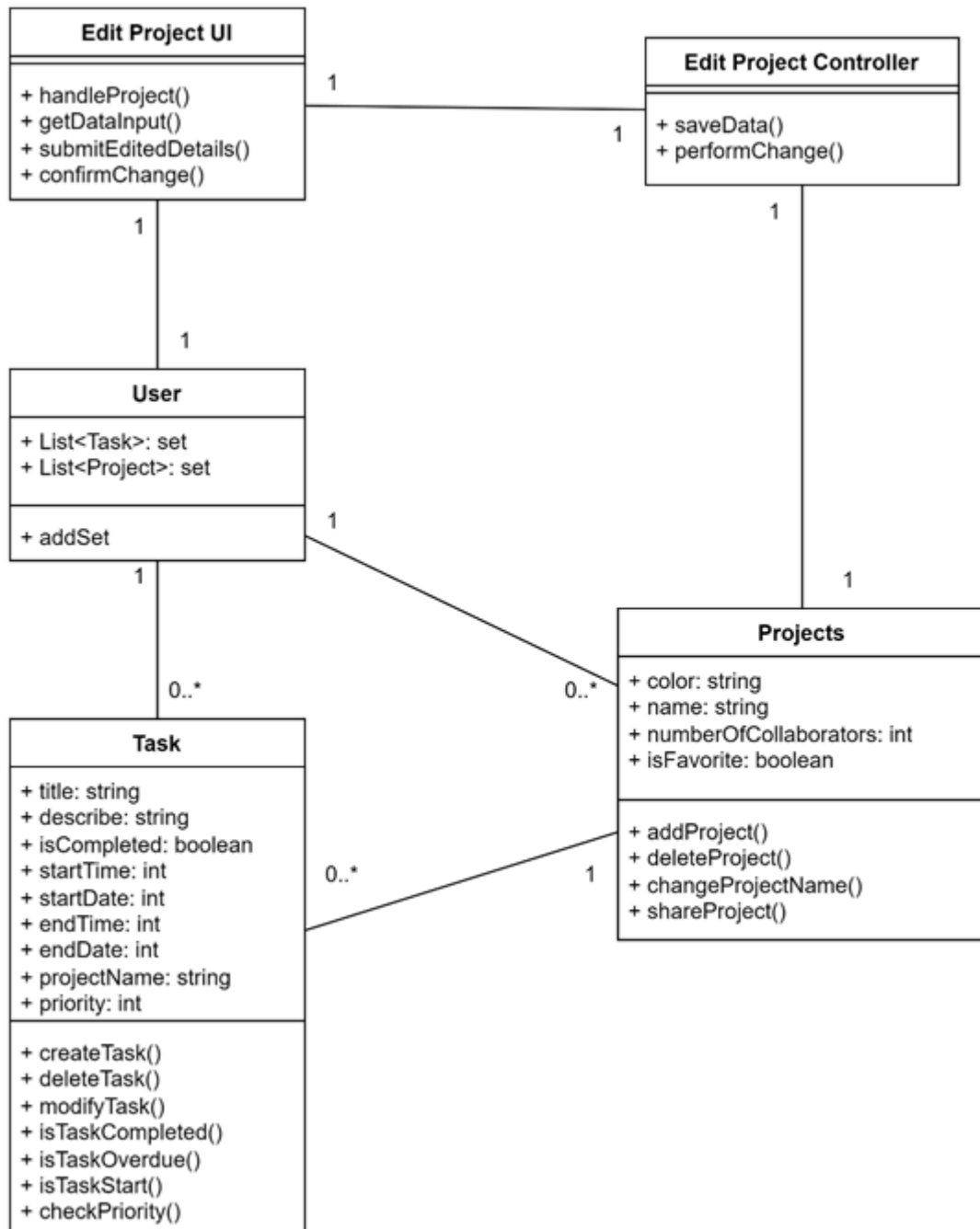
## 5. Editing of Existing Task



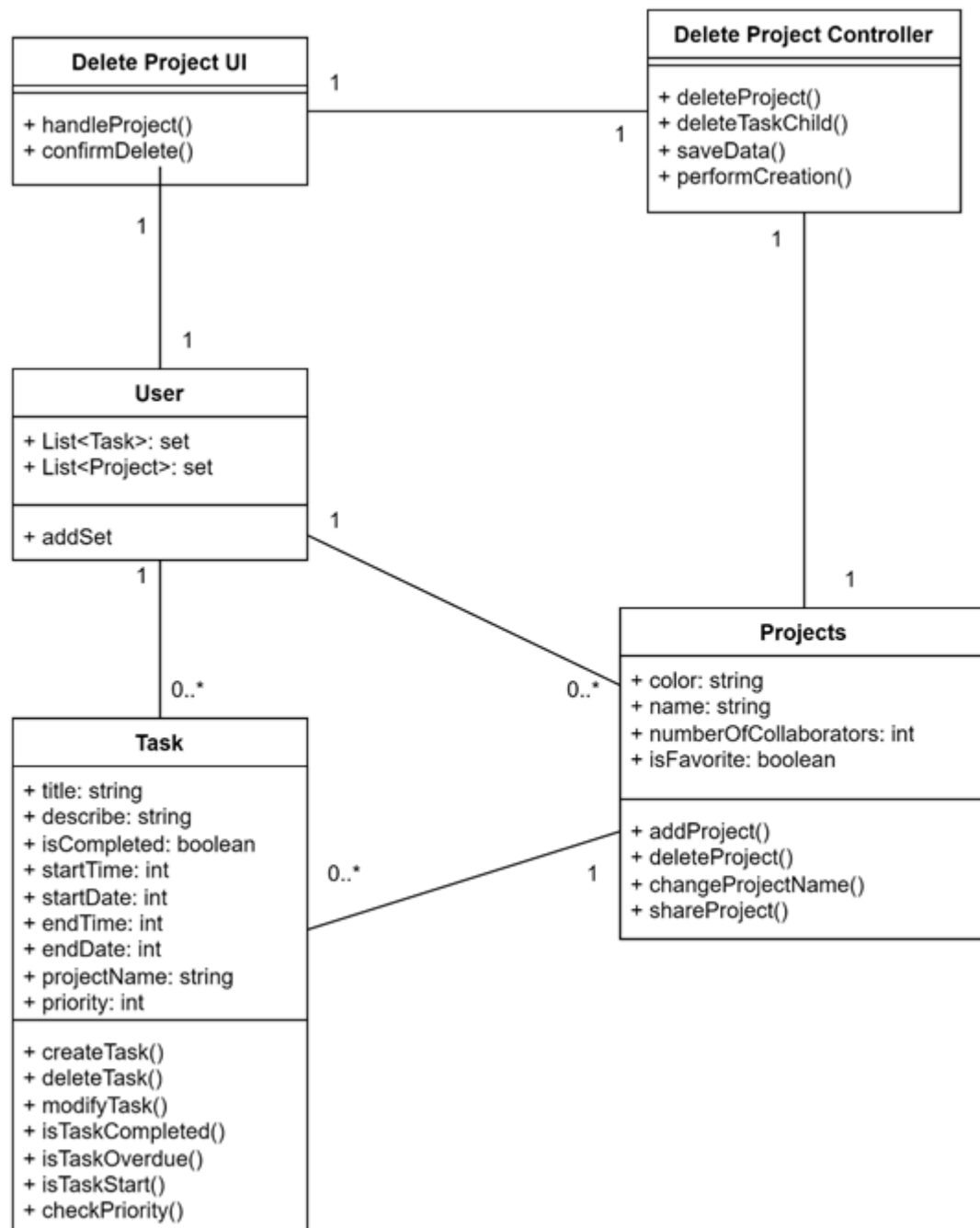
## 6. Add New Project



## 7. Edit Project



## 8. Delete Project



## 4. User Interface

To access all the main features of the website, users need to have an account to log in or register (if they don't have an account yet).

## 1. Account Login

**For login:** After successfully creating an account or already having an account, users need to log in to use all the features of the website.

The image shows a sign-in form within a light purple rounded rectangle. At the top, the text "Sign in" is displayed in a large, bold, black font. Below this, there are two input fields. The first field is labeled "Enter your email" in orange text and contains the text "abc@gmail.com". The second field is labeled "Enter your password" in orange text and contains a series of black dots. Below the input fields is a large orange button with the text "Sign in" in black. At the bottom of the form, there is a link that says "Don't have an account?" in black text.

## 2. Account Registration

For registration: Users will need to fill in all the information:

- Email
- Password

**Sign up**

Enter your email  
abc@gmail.com

Enter your password  
.....

Re-enter your password  
.....

**Sign up**

**Already have an account?**

### 3. Addition of New Task

- On the main page, select "Add Task" to create a new task. Enter the name, a reasonable time frame, and select the project name. Then click "Add to do".
- If successful, you will see the task appear in the project. Otherwise, you must create it again.
- Tasks will be automatically sorted by priority within each project to help users manage them easily.



The image shows a 'Task' dialog box with a close button (X) in the top right corner. The title 'Task:' is in the top left. Below the title is a text input field containing the word 'hello'. Underneath the input field are three rows of labels and values: 'Due date' with the value '12-05-24', 'Choose time' with the value '11:51 AM', and 'List' with a dropdown menu showing 'Team Works' and a downward arrow. At the bottom of the dialog is a large blue button with the text 'Add to do'.

Task: X

hello

Due date 12-05-24

Choose time 11:51 AM

List Team Works ▾

Add to do

#### 4. Removal of Existing Task

**To delete a task:**

- Select the task you want to delete.
- Click on the "Delete task" button.

**Task:**×

dasda

Due date

12-05-24

Choose time

01:20 PM

List

Team Works ▼

Delete task

Save changes

## 5. Editing of Existing Task

### To edit a task:

1. Select the task you want to edit.
2. Make the desired changes to the task's name, time frame, or project.
3. Click on the "Save changes" button.

**Task:**×

Assignment 2

Due date

12-05-24

Choose time

01:23 PM

List

CNPM ▼

Delete task

Save changes



## 6. Add project / Edit project

### To add a new project:

1. Click on the "+" button.
2. Enter the name of the new project.

3. Click on the "Create project" button.

Lists

New project!

project name...

Cancel

Add Project

Edit project name!

Team Works



Cancel

Confirm

7. View All Tasks

**To view all tasks in a project:**

1. Click on the project you want to view.
2. The project's tasks will be displayed below the project name.

 Hello, abc@gmail.com  
 Sign out

Add Task



Tasks

Today

» Upcoming

✓ All Tasks

Lists

CNPM

Team Works 3

Personal

test

Add

Team Works

abc

03:50 PM | 16/05/2024 | Team Works

>

Học

04:49 PM | 16/05/2024 | Team Works

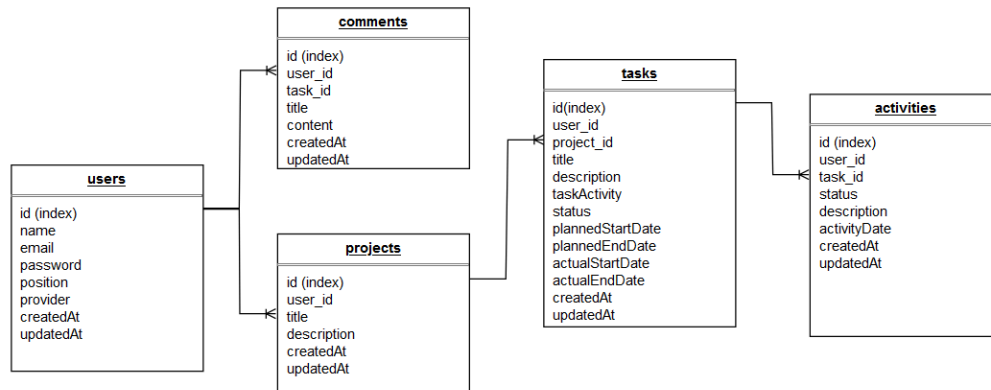
>

hop nhóm

10:49 PM | 16/05/2024 | Team Works

>

## 5. Database Diagram



## 6. Design decisions and rationale

- **Choosing the MVC model:** This architecture provides high scalability, security, and performance for the application.
- **Simple UI design:** The simple user interface makes it easy for users to use the application without detailed instructions.
- **Cloud data storage:** Storing data in the cloud ensures data availability and accessibility from anywhere.
- **Use case design:** Helps users manage tasks and projects effectively: provides features for creating, organizing, tracking, and completing tasks, and supports users in optimizing their time and productivity.