

# RooHub

## Second Increment report

### Team 8

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### Introduction:

In this project we create an application for University students which will allow users (i.e students after enrollment) to enter into the board rooms after successful registration of the subjects. The students can post their queries regarding the subjects in their respective board rooms. They can chat with the other students of the group as well. In addition to these he/she can sync their Google calendar as well.

### Objectives:

The main objective of this project is to create a useful mobile application which brings boardrooms of the classes into our hands virtually. This will give the students extra edge to get their doubts clarified by their peers.

### Features:

The features of this application includes the chat option for the users of the application who are students of the university and they can even sync their Google calendar also.

### Detail design of Features:

#### Wireframes:

Following are the wireframes for the application.



A wireframe for a login page. It features a large heading 'Login' at the top left. Below it, there are two input fields: 'Username' and 'Passwrod' (misspelled). A 'Login' button is positioned below the password field. To the right of the button is a link '[Forgot Password?](#)'. At the bottom left, there is a link 'New to RooHub? [Register Here](#)'. The entire form is enclosed in a rounded rectangle with a double border.

# Login

[Forgot Password?](#)

New to RooHub? [Register Here](#)

# Register

# Home

Hello, User

Profile

Task Tracker

Board Rooms

# Profile

Update

Delete

# Update Profile

Enter new Username

Enter new Password

Enter new Email

Update Profile

Subject 1



Subject 2



Subject 3



# Board Rooms

Welcome to board rooms

Subject 1

Subject 2

Subject 3

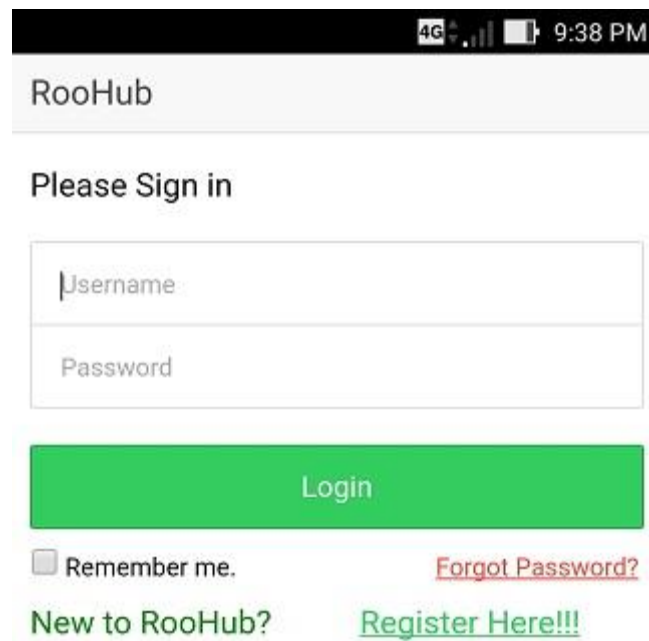
**Mockups:**

After entering into the application in android phone:

- Application launches to the login page
- After clicking on the register here it will navigate to the register page
- We can add the user and user information and create using register page
- After entering username and password in the login and clicking on the login will land the user into the Home page
- Clicking on the Profile button navigates the application to the profile page
- Here after selecting update profile will lead to profile update page where we can select our subjects and can even change the user information
- Clicking on the delete account will delete the user account from the db
- Clicking on the Board room will lead the user to the Board room page where he can select the respective board room subject



Following are the screenshots of mentioned flow of the application:



The screenshot shows a mobile application interface for RooHub. At the top, there is a black status bar with '4G' and signal strength indicators on the left, and a battery icon and '9:38 PM' on the right. Below the status bar is a light gray header with the text 'RooHub'. The main content area has a white background. It starts with the text 'Please Sign in' in bold. Below this is a login form with two input fields: 'Username' and 'Password'. Under the form is a large green button labeled 'Login'. Below the button, there is a checkbox labeled 'Remember me.' and a red text link 'Forgot Password?'. At the bottom, there is a green text link 'New to RooHub?' and a green text link 'Register Here!!!'.

RooHub

Please Sign in

Username

Password

Login

☐ Remember me. [Forgot Password?](#)

[New to RooHub?](#) [Register Here!!!](#)



4G 9:38 PM



Register

[Logout](#)

Enter Username


Enter Password

Enter Email

Enter any security question?

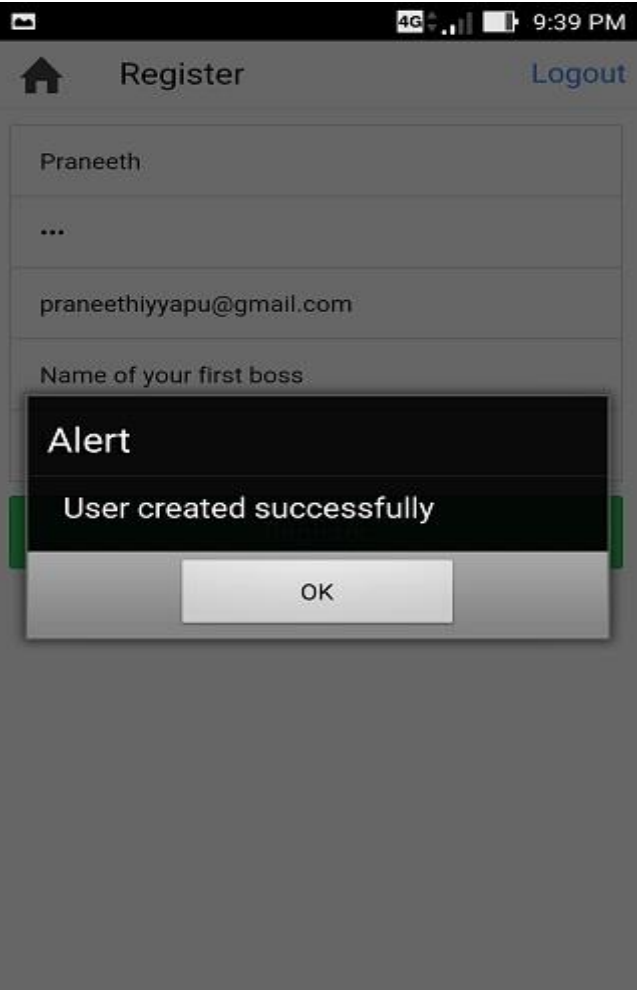
Enter your answer

Register

 Register [Logout](#)

Praneeth
...
praneethiyyapu@gmail.com
Name of your first boss
Herbert

Register





4G



9:39 PM

RooHub

Please Sign in

Ram

...

Login



Remember me.

[Forgot Password?](#)

New to RooHub?

[Register Here!!!](#)

Invalid Creditials! Please try again....



4G 9:39 PM



RooHub

[Logout](#)

Hello, **Praneeth**

Profile

Task Tracker

Board Room

Admin, © RooHub



4G



9:40 PM



Student Corner

[Logout](#)

Update

Delete



4G 9:40 PM



## Update Profile

[Logout](#)

Enter new Username

Enter new Password

Enter new Email

Update Profile

Subject 1

ASE ▼


Subject 2

PB ▼

Subject 3

NA1 ▼





Update Profile

Logout

Enter new Username

Enter new Password

Enter new Email

Update Profile

Su

ASE

☐

Su


PB

☒

Su

NA1

☐



Update Profile

Logout

Enter new Username

Enter new Password

Enter new Email

Update Profile

Su

ASE

☒

Su

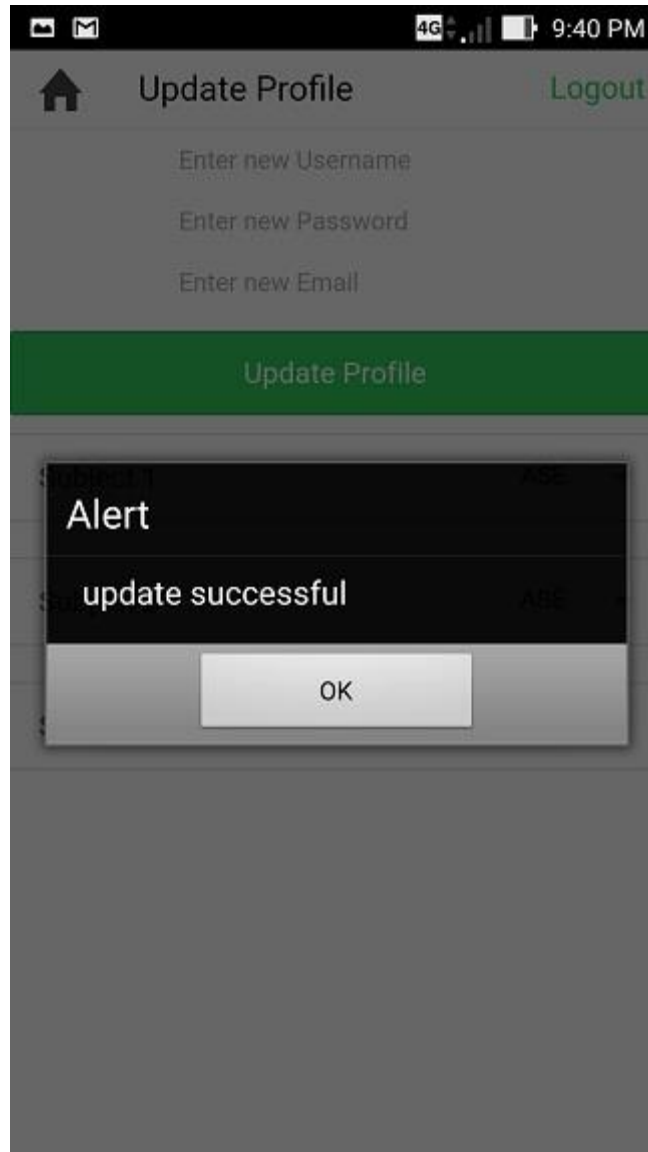
PB

☐

Su

NA1

☐





4G 9:41 PM



## Update Profile

[Logout](#)

Ram

Newpassword

Ram123@gmail.com

Update Profile

Subject 1

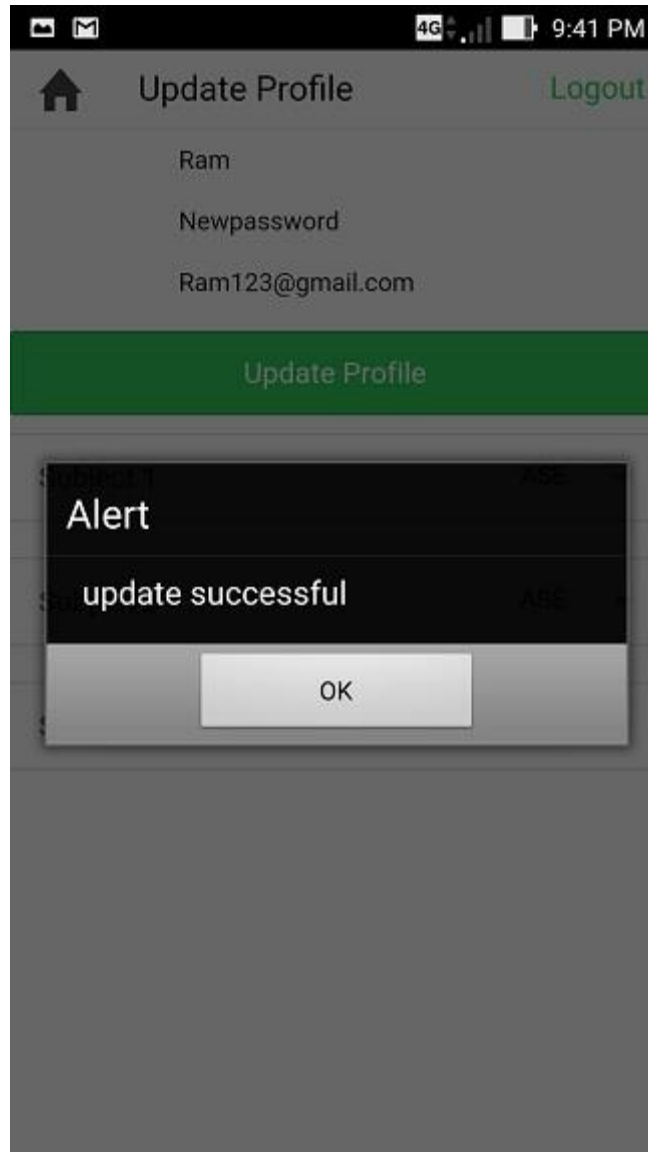
ASE ▼

Subject 2

ASE ▼

Subject 3

NA1 ▼





RooHub

[Logout](#)









## Welcome to Boardrooms

Subject 1

Subject 2

Subject 3

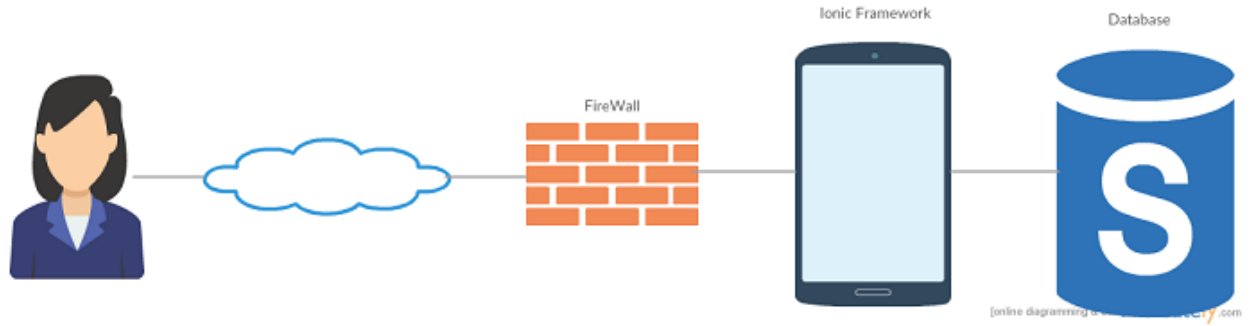
Following are the screenshots of the Database before and after updating the info.

records / page 10	[1 - 4 of 4]
<pre>{   "_id": {     "\$oid": "56e3910de4b06f19d4bb6bf6"   },   "username": "Sreeram",   "password": "123456",   "email": "ram@gmail.com" }</pre>	 
<pre>{   "_id": {     "\$oid": "56e39132e4b06f19d4bb6cfd"   },   "username": "Praneeth",   "password": "123456",   "email": "praneeth@gmail.com" }</pre>	 
<pre>{   "_id": {     "\$oid": "56e3919ae4b0ced84db6b687"   },   "username": "Shanmukh",   "password": "123456",   "email": "shanmukh@gmail.com" }</pre>	 
<pre>{   "_id": {     "\$oid": "56e391cfe4b06f19d4bb716b"   },   "username": "teja",   "password": "123456",   "email": "teja@gmail.com" }</pre>	 
records / page 10	[1 - 4 of 4]

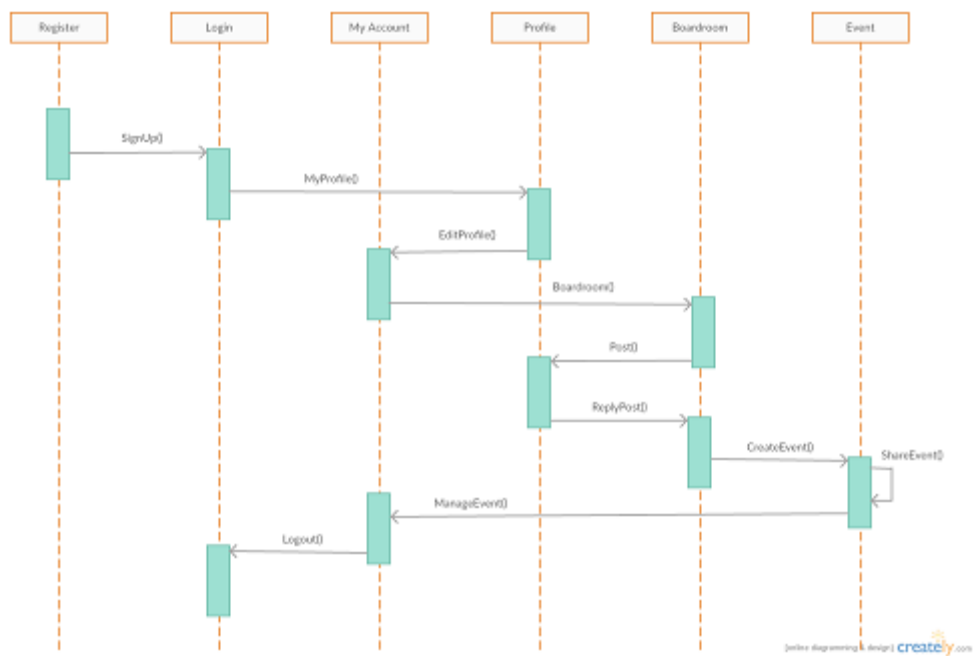
```
{
  "_id": {
    "$oid": "56e3919ae4b0ced84db6b687"
  },
  "username": "Shanmukh",
  "password": "123456",
  "email": "shanmukh@gmail.com"
}
```

```
{
  "_id": {
    "$oid": "56e3919ae4b0ced84db6b687"
  },
  "username": "shanmukh",
  "password": "654321",
  "email": "shanmukh@gmail.com"
}
```

## Architecture Diagram:

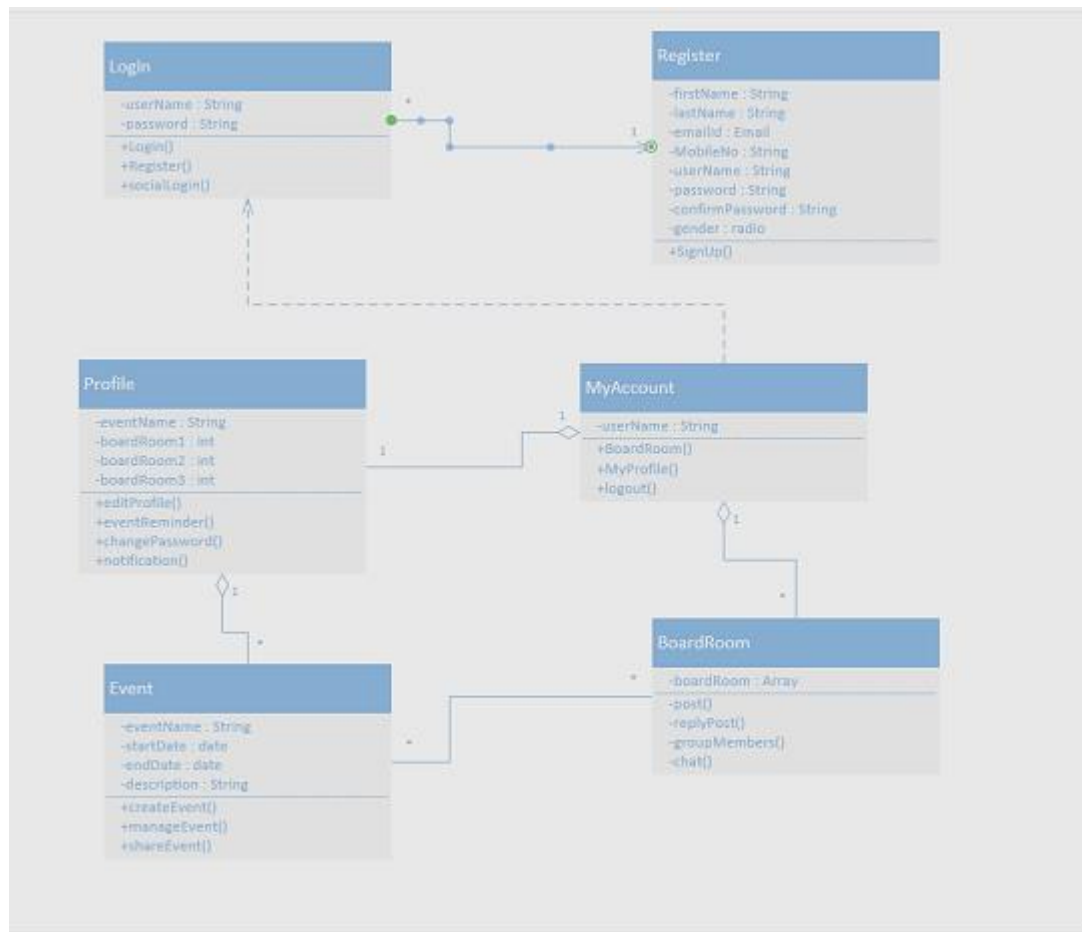


## Sequence Diagram:

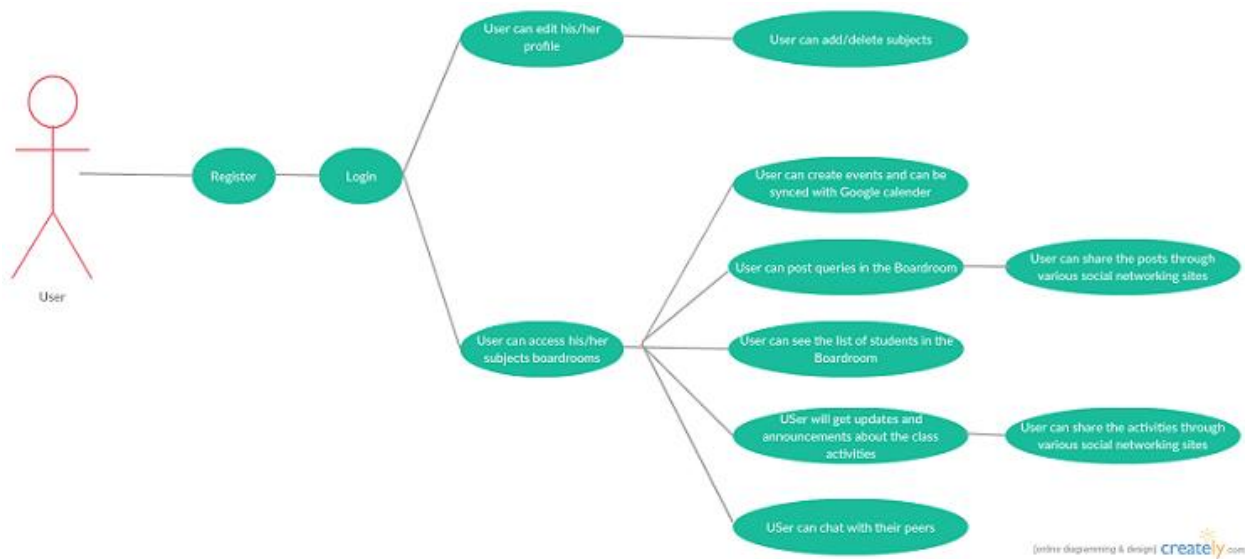




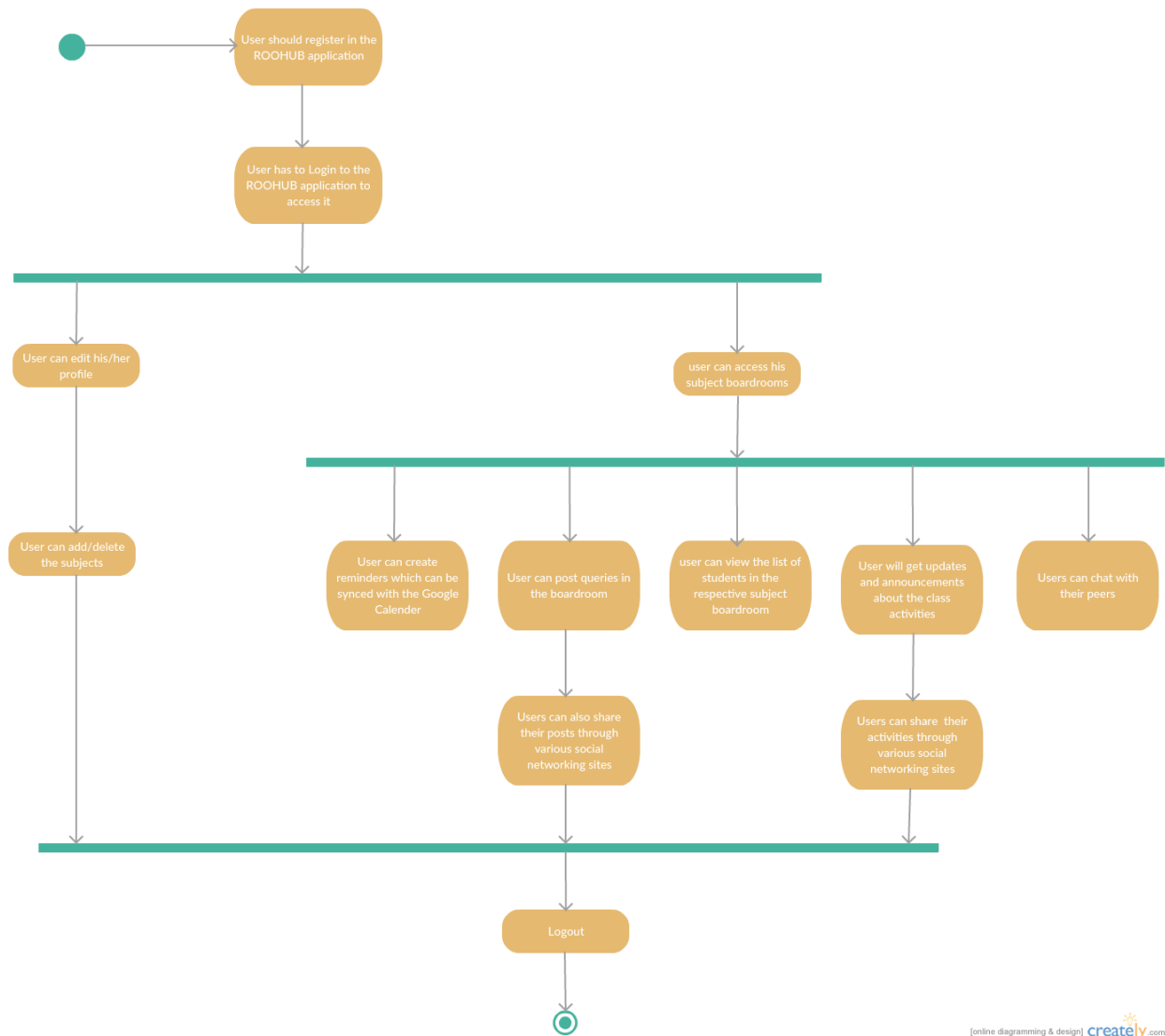
## Class Diagram:



## Use case Diagram:



## Activity Diagram:



**User stories:****1) Enroll for subjects:**

As a student, I want to enroll for the subjects in the application.

For this, we have given an option for the users to select the subjects that they have taken while registering.

**2) Posting Updates:**

As a member in the boardroom, I want to post updates in the boardroom.

For this, we have enabled an option of posting the updates in the boardrooms.

**3) Chat with peers:**

As a user in the boardroom, I want to chat with the individuals of the boardroom.

For this, we have given an option to chat with the individuals who are present in the boardrooms.

**Implementation:**

We have migrated from Android Studio to the Ionic framework for implementation of the project.

**Server Maintenance:**

Database: MongoDB

**Deployment:**

We have deployed the application in mobile and captured the screenshots. We have explained them in detail in Mock up section above.

GitHub URL for the project documentation and source code

<https://github.com/sreeram66/RooHub-Team8/tree/master/Documentation>

**Project management:**

Work completed:

From the first increment, we have migrated from native android application to the Hybrid application. In this second increment we have created board rooms for the subjects. We have used MongoDB for the Database as well.

Time taken:

50 hours

Contribution:

Everyone has collectively contributed to the project.

Work to be completed:

Posting queries and texting in the boardrooms are yet to be done in the third increment.

Time to be taken:

Expected to finish the planned job in nearly 80 hours.

**Bibliography:**

<http://ionicframework.com/docs/api/>

<http://stackoverflow.com/questions/30917463/how-to-use-a-javascript-function-in-ionic-framework-making-use-of-angular-js>

<https://docs.mongodb.org/ecosystem/tools/http-interfaces/>