

# **PSI Requirements Specification**

**Final Version**

**June 17, 2022**

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# 1. Executive Summary

## 1.1 Project Overview

Nowadays companies are using Project Management Systems to increase the efficiency of the products. Some different projects may be running at the same time , so a proper software to fully organize and divide the work in the group is needed. Since several workers take part in each project , the application will play a critical role in creating reliable and high quality projects. We considered the possibility that a Project Management System is needed and is in demand for some companies or businesses .

## 1.2 Purpose and Scope of this Specification

PSIΨ Project Management System main purpose is to help in managing various projects in a company. It is designed to manage and store project information , as it allows easy management and tracking of several projects. It is an effective software system to help manage these activities in any project, so the primary goal is to ease the companies tasks division and management and also to make a complete project for everyday use , which confirms all demands and requirements of the client.

## 2. Product/Service Description

### 2.1 Product Context

The context of the Software that we are creating is closely related to companies that need help in managing various projects. This Web based Project Management System can increase performance, productivity and efficiency within the teams. This application will be used by the team leader and also the team members , to have a better understanding and collaborating with each other.

### 2.2 User Characteristics

*There is a total of two users :*

1- Admin

2- User

User Profile : **Admin**

-This user will be logged in.

-Responsible for bug reports. (Support)

-Can access the users information.

-Has access to the projects.

-Can delete users.

User Profile : **User**

-Every user must register in order to use the application , with an email , username , password and birthday.

-After registering , or if he already has an account , the user can login using the username and the password.

-After login , the main page will be displayed , containing a button to Create a project , and also all the projects all the user are shown there.

-If the user creates a project, the user can add members to the team.

**→Team Leader:**

- Assigns tasks (Description , File , Deadline)
- Posts Announcements
- Adds and Removes members.
- Views the progress of the tasks. (To Do / Done)

**→Team Member:**

- Can view all the tasks. (To Do / Done)
- Comment in the chatbox.
- Can request deadline extension.

### **2.3 Assumptions**

- It is assumed that companies have a computer, phone, tablet or any other device connected to the internet that can be used to manage projects.
- It is assumed that every user has at least one device , mobile , PC or Laptop to work with.
- It is assumed that the user has a persistent network connection , or it will interrupt.
- It is assumed that the admin has the information for every user and can see their profile.
- It is assumed that every team member is limited to watching only tasks assigned to him.
- It is assumed that every client has a web browser and an active internet connection

### **2.4 Constraints**

The system will be potentially constrained by:

- The server might be overloaded
- The need of good internet connection to access the app
- Having every client or team member understand the way the software works and making sure they use it efficiently

### **2.5 Dependencies**

Dependencies that affect the requirements are:

- The tasks are assigned by team leaders to team members. So team leaders create new tasks and assign them to team members.
- If the member needs more time to finish the task , he has to wait for the leader to approve it.

### 3. Requirements

#### 3.1 Functional Requirements

PMS- (Project Management System Requirements) Pertains to the general requirements.

Req#	Requirement	Comments	Priority	Date Rwd	SME Reviewed / Approved
PMS_01	The system supports the idea of <b>users</b> . Each user has a name and a password. Users also have a set of attributes like email, phone number etc.		1	15/06/22	Kevin Aliko/Blerim Hasa
PMS_02	The system will determine the functionalities provided to the user according to the <b>user role</b> after authentication.		1	15/06/22	Kevin Aliko/Blerim Hasa
PMS_03	Predefined user roles Administrator - Full control over the system. Project Leader/Manager - Control over project related functionalities. Project Member - View/Update given tasks.		2	15/06/22	Kevin Aliko/Blerim Hasa
PMS_4	The system shall provide the user with the ability to change their password and update the change.	.	1	15/06/22	Kevin Aliko/Blerim Hasa
PMS_5	The system shall provide certain user roles (Administrator/Team Leader) with the ability to change and update permissions for specific user roles.		1	15/06/22	Kevin Aliko/Erisa Halipaj
PMS_6	The system shall support the idea of a <b>user profile</b> . The user profile contains the system's user-specific customizable parameters. The user profile can be related to only one user.		1	15/06/22	Kevin Aliko/Erisa Halipaj
PMS_7	The system must enable the user to edit his profile and update changes.		1	15/06/22	Kevin Aliko/Erisa Halipaj
PMS_8	User will login to the system by using their name and password before they can interact with the system. The user is not allowed to login if the password is incorrect or in the case the user is not registered. If the user is authenticated successfully he/she will be presented with a GUI customized according to their		1	15/06/22	Kevin Aliko/Erisa Halipaj

<b>Req#</b>	<b>Requirement</b>	<b>Comments</b>	<b>Priority</b>	<b>Date Rvwd</b>	<b>SME Reviewed / Approved</b>
	user role and projects.				
PMS_9	The system shall provide a new user will the ability to register. If registration fails due to account already existing or format not matching the one specified by the system an error message will be displayed accordingly. If the registration is successful the user will be redirected to his dashboard.			15/06/22	Kevin Aliko/ Marikela Gjiriti
PMS_10	The system shall provide authorized user the ability to view current list of projects he is involved in.		1	15/06/22	Kevin Aliko/ Marikela Gjiriti
PMS_11	The system shall provide authorized user permission to apply certain filters when viewing current list of projects.		2	15/06/22	Kevin Aliko/ Marikela Gjiriti
PMS_12	The system shall provide authorized user ability to create a new project, specify certain attributes of the project and add member/s to it. The project name must be different from projects the user is already associated with. The project will be empty upon creation.		1	15/06/22	Kevin Aliko/ Marikela Gjiriti
PMS_13	The system shall provide authorized user permission to edit selected projects attributes and members.		1	15/06/22	Kevin Aliko/Blerim Hasa
PMS_14	The system shall provide authorized user permission to delete selected project only if he is the assigned the Team Leader role for that project. Otherwise an error will be display informing the user that the have insufficient privileges to complete that action.		1	15/06/22	Kevin Aliko/Erisa Halipaj
PMS_15	The system shall provide authorized user the ability to export the selected project to a file in a predefined format.		2	15/06/22	Kevin Aliko/Erta Subashi
PMS_16	The system shall provide authorized user permission to make announcements on the project if he has the Team Leader role for that project.		2		Kevin Aliko/Marikel a Gjiriti
PMS_17	The system shall provide authorized user permission		1	15/06/22	Kevin Aliko/Kevin

Req#	Requirement	Comments	Priority	Date Rvwd	SME Reviewed / Approved
	to add or remove team members if the has the Team Leader role for that project.				Hoxhalli
PMS_18	The system shall provide authorized user with the role Team Leader the ability to assign to tasks to member/s of the team for a specific project.,,		1	15/06/22	Kevin Aliko/Kevin Hoxhalli
PMS_19	The system shall provide authorized user a dashboard for the provided project with features and permissions according to their role in the project.		1	15/06/22	Kevin Aliko/Kevin Hoxhalli
PMS_20	The system shall provide authorized user the ability to update given tasks status to “done”.		1	15/06/22	Kevin Aliko/Kevin Hoxhalli
PMS_21	The system shall provide authorized user permission to comment on an announcement made by the project management.		2	15/06/22	Kevin Aliko/Marikel a Gjiriti
PMS_22	The system shall provide the authorized user the ability to communicate with other members using the project chatbox.		3	15/06/22	Kevin Aliko/Marikel a Gjiriti
PMS_23	The system shall provide the authorized user the ability to add an estimated completion time for any task assigned.		3	15/06/22	Kevin Aliko/Marikel a Gjiriti
PMS_24	The system shall provide the authorized user the ability to create a report for a task.		2	15/06/22	Kevin Aliko/Marikel a Gjiriti
PMS_25	The system shall provide the authorized user the ability to add/delete Client.		1	15/06/22	Kevin Aliko/Kevin Hoxhalli

### 3.2 Non-Functional Requirements

#### 3.2.1 User Interface Requirements

It will be a system represented by a web application, which can be accessed either with Mozilla, Chrome, Internet explorer or Safari. This will have a user interface that will be for the Students, businesses, Architectures, and whoever needs to manage a project properly. It will have some sections and services. On the first page there will be a login button. The Login button will redirect to a simple login interface, where it will ask the user for Username and Password. The user will gain access to the system, in case of proven authenticity otherwise, an error message of wrong credentials will be displayed.

It will have 2 different users, Admin and User, User will be divided to Leader and member. A user can be leader at e project and member at another one, my default leader is the one creating the project. The user will have the first page which will be the names of the projects he/she is part of and a create project button. If he is a leader he will have 4 other pages , members , dashboard , announcement ,tasks. If he is an Admin he will be able to see a menu page that will provide him access to see users , project names , support , delete a user. If he is a user the first page will be same as leader he will have access to group members, his own tasks, his own dashboard, and announcements.

### **3.2.2 Usability**

- The Web application is easy to understand and use.
- The application will be provided with a Document manual, showing a step by step information on how to successfully use the application.
- There will be an error message identifying the exact action that caused the error.
- The system is identified for certain users, thus the system will know, when a certain action is not permissible.

### **3.2.3 Performance**

The system will be a web application which will be stored in a web server. The application's execution time will be determined by:

- The efficiency of fetching data from database
- The bandwidth of Internet connection
- The capabilities of server's hardware
- The Operating System.
- The third-party libraries that need to be installed.
- The number of active users accessing the system.

### **3.2.3.1 Capacity**

The system requires to be stored on a web server. The web application itself will have a maximum size of 100 MB. The database will be complex and large. However, the system is expected to work fine will every user logged in.

### **3.2.3.2 Availability**

- The application will be available for use 24/7.
- The system will work in a best manner during the working hours of the day.
- The web application can be opened and used in any geographical area, as long as the user has an active Internet connection.
- By creating separate user sessions, while using the application, their overall work efficiency and productivity will not decrease by much.
- Specific error messages in case an action would cause systems fatal error, will be provided.

### **3.2.3.3 Latency**

The latency of the web application will depend on:

- The bandwidth of internet connection
- The efficiency of fetching data from the database
- The database size.

Some other functions such as searching for users might take a longer time.

## **3.2.4 Manageability/Maintainability**

### **3.2.4.1 Monitoring**

The system user interface will be simple, and it will not provide cases that would crash the application. Needed actions for any of error will be taken. The input data must be valid input data. The user will log in the system, in case the user has entered valid credentials, otherwise an error message of “Wrong Credentials” will be showed.

### **3.2.4.2 Maintenance**

The application will be created using MySQL for the database and Apache for the server.

In case the system crashes, the system is going to restart. During this process, the system will send the user to the dashboard, but the changes will be saved. If the problem continues, it is needed to contact the IT team so a full restart of the server can happen.

### **3.2.4.3 Operations**

Some of the operations that can be taken by the users are:

- Upload a file
- Add a new member

- Delete a member
- Set deadlines
- Make announcements
- Let comments on the chat box
- Search for users
- Assign someone to a task

### **3.2.5 System Interface/Integration**

The DB will provide to the users only as information. They can only modify the structure for their personal information . Admin will have access to the DB configuration. The system will take care of queries.

#### **3.2.5.1 Network and Hardware Interfaces**

The system is a web application that will be stored in a web server, so the browser will create a TCP connection with the server. Every browser supports this connection, so it will work correctly.

### **3.2.6 Security**

#### **3.2.6.1 Protection**

The system security is important, since this is a private system. Security is added in every form that will make sure that everything entered is correct such as a correct name, correct surname, correct email address and correct password. The client will not be able to access the passwords.

#### **3.2.6.2 Authorization and Authentication**

- Correct credentials are checked when users log in.
- Authorization will be based on the type of users.
- Users will have access only to their information.
- Session to be used for the currently logged user.
- Using Cookies and PubCookie tool.

### **3.2.7 Data Management**

The application might have a complex and large database and some of those classes are:

- Users
- Project
- Task
- taskComment
- Announcement
- AnnouncementComment
- Chatbox

### **3.2.8 Standards Compliance**

The application will be developed in such way that will follow and respect the rules and regulations lead to concrete requirements. In order to meet these requirements, organizations must

1. Define processes and operations.
2. Guarantee the availability of information.
3. Monitor processes and operations.
4. Establish an effective communications policy

These measures apply to organizations as well as small organizational units, or projects. The best way is to establish a so-called Compliance Management System and set up a workflow that helps you to meet standards, one that is independent from individual persons while at the same time supporting the work of individuals. This will help you to master audits, implement changes to your processes and operations and take advantage of the opportunities compliance offers.

### **3.2.9 Portability**

The application can be accessed via a browser and a internet connection.

### **3.2.10 Other Non-Functional Requirements**

Please provide all necessary non-functional requirements, similar to the requirements explained in the lesson slides or in the textbook.

## **3.3 Domain Requirements**

In our case by choosing this topic of “Project Management System” we are part of the clients side as well , all students are part of the client side in this project but not only! This project can be used in field as: Business, Architecture, Marketing, School, etc... By saying this automatically we are the specialists, we know how a project is done , what is required to make a project efficient , finish it on time , and coordinating your group members perfectly!

So that's it! What a project need to be done is specifying:

1. Members of the group(keeping their emails, phones in case he need it )
2. Tasks assigned (to do or done , also the % of the tasks each have done to complete their own tasks )
3. Dashboard (watching the progress of the project, such as the % of the whole project completed )
4. Announcements (everybody can see the announcements of the leader and comment on the chat box )

## 4. User Scenarios/Use Cases

### 4.1 User Scenarios

#### Failed Registration

- The user clicks on menu bar the Register button.
- The user is asked to enter input data: email, username, password, birthday.
- The input will be validated and in case of wrong input, requirements will be shown.

#### Successful Registration

- The user clicks on menu bar the Register button.
- The user is asked to enter input data: email, username, password, birthday.
- The input will be validated and if it is successful, a “Successful Registration successful” message will be shown.

#### Failed Login

- The user clicks on menu bar the Login button.
- The user is asked to enter input data: username and password.
- If the credentials are wrong, a message will be displayed.
- After 5 unsuccessful tries “Please wait a few minutes before you try again”, will be shown and the login will be blocked for several minutes.

#### Successful Login

- The user clicks on menu bar the Login button.
- The user is asked to enter input data: username and password.
- The input will be validated and if it is successful, after the authentication, it will redirect to admin or user view, depending on the user role.

#### Add Client

- After successfully login in as a user
- Enter to Clients menu
- There you can click the button Add Client and a form will be shown.
- After successfully submiting the data a client will be added.

#### Open Client

- After successfully login in as a user
- Enter to Clients menu
- A list of clients will be shown
- Selecting a certain client will show the projects associated with it.

#### Create Project

- After successfully login in as a user, your main page is Clients.
- Clicking a client will show the associated projects.
- If there is no projects linked to the client, “No Projects yet” message will be displayed.
- If there are projects, those will be displayed in a list.
- There is a button “Create Project”, which if it is clicked a form will be displayed.
- Inputting data and submitting the form will add a project.

#### Opening Project

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- After successfully login in as a user, your main page is Clients.
- Clicking a client will show the associated projects.
- If there is no projects linked to the client, “No Projects yet” message will be displayed.
- If there are projects, those will be displayed in a list.
- By clicking the project name you will be redirected to the Project's Dashboard page.

### **Posting Announcement**

- Team leader can post an announcement, by writing in Post Announcement window and clicking the button.
- The announcement will be displayed with the others in the page.

### **Project Leader adds Project Members**

- After opening the project, the leader can click on the menu “Members”.
- It will be redirected to a page, where it I can see a list of already joined members.
- Write username and click “+Add Member”.
- If username doe not exist a message will be displayed.

### **Project Leader searchs Project Members**

- After opening Members, in top of the page you can write the username and click search.
- The users, which fulfill the filter search will be shown in the list.

### **Project Leader removes Project Members**

- In the Members's list, in the end of each row is a button “Remove”.
- After clicking it the user will be removed from the project.

### **Project Leader assigns Tasks**

- Opening Tasks tab, by clicking the button add Task a form will be shown.
- In this form task name, task description and the team member will be specified and submitted.
- The submitted task will be shown in Task page for team leader and team member.

### **Project Leader's Dashboard**

- Dashboard page will show the progress of all assigned tasks.

### **Project Member completes Task**

- As project member Task page will show the already assigned task from the project leader.
- Clicking on the task, it will show a page with more information for it.
- Clicking the “Done” button will complete the Task.

### **Users comment in Task**

- In task can comment the Project Leader and Project Member, whose the task was assigned to.
- Writing in input text field and clicking Add Comment will post it.

### **Users comment in Announcement**

- In announcement can comment the Project Leader and Project Member.
- Writing in input text field under the announcement and clicking Add Comment will post it.

### **Users writes in chatbox**

- In chatbox in announcement page by writing in input field, the user can write to all group.
- Clicking the Button “Submit” will write it in the chat.

### **Admin search user**

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- In main page, click user information.
- This will show you a search input field.
- After writing the username and clicking the button “Search” it will provide the information for this user such as: username, email, birthday, phone.

### **Admin deletes user**

- After searching user in User Information, in the end of row is a button “Delete”
- After clicking in it will remove, and the user will be able to log in with this account.

### **Admin search project**

- In main page, click Project
- This will show you a search input field.
- After writing the project name and clicking the button “Search” it will provide the information for this project such as a list of members and its leader.

### **Project Member estimates Task Completion Time**

- As project member Task page will show the already assigned task from the project leader.
- Clicking on the task, it will show a page with more information for it.
- Clicking the “Estimate” button, it will display a input, in which the estimated time can be written.

### **Project Member writes Task Report**

- As project member Task page will show the already assigned task from the project leader.
- Clicking on the task, it will show a page with more information for it.
- An upload button is available to insert the Task Report.

### **Admin/User opens Profile**

- After successfully login in, clicking on the profile photo with admin/user full name redirect to profile.
- After successfully login in, clicking on the Settings on menu redirect to profile.

#### 4.2 Use Cases

UC Name	<i>PMS_01 - User logs in</i>
Summary	<i>Each user has a name and a password.</i>
Dependency	<i>none.</i>
Actors	<i>Admin /User /Leader /</i>
Preconditions	<i>You should sign up to log in.</i>
Description of the Main Sequence	<ul style="list-style-type: none"> <li>● <i>Each user has a name and a password.</i></li> <li>● <i>You should have an active email.</i></li> </ul>
Description of the Alternative Sequence	<ul style="list-style-type: none"> <li>● <i>Users should have also a set of attributes like:</i></li> <li>● <i>Name</i></li> <li>● <i>Surname</i></li> <li>● <i>Phone number</i></li> <li>● <i>Address</i></li> <li>● <i>Email</i></li> </ul>
Non functional requirements	<i>Protection is added in every for that will make sure that everything entered is correct such as a valid name, valid surname, valid email and a valid password.</i>
Postconditions	<i>User is logged on his account.</i>

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UC Name	<i>PMS_02 - Understanding Users and Roles</i>
Summary	<i>The system will determine the user role after authentication.</i>
Dependency	<i>PMS_01</i>
Actors	<i>Admin /User /Leader</i>
Preconditions	<i>none</i>
Description of the Main Sequence	<ul style="list-style-type: none"> <li>● <i>The system will determine the functionalities provided to the user according to the user role after authentication.</i></li> <li>● <i>User information is stored in the domain identity store.</i></li> <li>● <i>An anonymous user is a user whose credentials have not been validated</i></li> </ul>
Description of the Alternative Sequence	<ul style="list-style-type: none"> <li>● <i>An enterprise group is a role that comprises users or other groups</i></li> <li>● <i>It can be defined in an application deployment descriptor</i></li> </ul>
Non functional requirements	<i>Valid credentials are checked when users log in. Users will have access only to their information. Session to be used for the currently logged user.</i>
Postconditions	<i>Understanding User's Role</i>

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UC Name	PMS_03 - Predefined User roles
Summary	<i>The system will have predefined user roles such as (administrator, leader ,member, etc)</i>
Dependency	<i>none</i>
Actors	<i>Admin /User /Leader /Member/</i>
Preconditions	<i>none</i>
Description of the Main Sequence	<ul style="list-style-type: none"> <li>● <i>Predefined user roles:</i></li> <li>● <i>Administrator</i></li> <li>● <i>Project Leader/Manger</i></li> <li>● <i>Project Member</i></li> </ul>
Description of the Alternative Sequence	<ul style="list-style-type: none"> <li>● <i>Admin- Full Control over the system</i></li> <li>● <i>Leader- Control over project related functionalities.</i></li> <li>● <i>Member- View/Update given tasks.</i></li> </ul>
Non functional requirements	
Postconditions	<i>You can define your role.</i>

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UC Name	<i>PMS_04 - Editing</i>
Summary	<i>Editing you profile</i>
Dependency	<i>PMS_03 &amp; PMS_02</i>
Actors	<i>Admin /User /Leader /Member/</i>
Preconditions	<i>You should have already an account. Account should be active.</i>
Description of the Main Sequence	<ul style="list-style-type: none"> <li>● <i>The system should provide the user with the ability to change their password.</i></li> <li>● <i>Update your profile.</i></li> <li>● <i>Make changes.</i></li> </ul>
Description of the Alternative Sequence	<ul style="list-style-type: none"> <li>● <i>Reset User Passwords</i></li> <li>● <i>Force Password change at next Logon</i></li> <li>● <i>Problem occurs because Administrative Tools incorrectly evaluates user premissions.</i></li> </ul>
Non functional requirements	<i>Authorization will be based on the user type. Users will have access only to their information. The client will not be able to see the passwords.</i>
Postconditions	<i>You can change you password.</i>

**Psi Requirements Specification**

UC Name	<i>PMS_05 - Admin Functionality</i>
Summary	<i>The system shall provide certain user roles (Administrator/Team Leader) with the ability to change and update permissions for specific user roles</i>
Dependency	<i>PMS_1</i>
Actors	<i>Administrator</i>
Preconditions	<i>You should log in to be able to be the admin.</i>
Description of the Main Sequence	<ul style="list-style-type: none"> <li>● <i>The Admin will be able to edit other user roles.</i></li> <li>● <i>Admin will be the only one accessing specific data.</i></li> </ul>
Description of the Alternative Sequence	<ul style="list-style-type: none"> <li>● <i>Admin will also have a set of attributes like:</i></li> <li>● <i>Name</i></li> <li>● <i>Surname</i></li> <li>● <i>Phone number</i></li> <li>● <i>Address</i></li> <li>● <i>Email</i></li> </ul>
Non functional requirements	<ul style="list-style-type: none"> <li>● <i>Authorization will be based on the type of users.</i></li> <li>● <i>The system is identified for certain users, thus the system will know, when a certain action is not permissible.</i></li> </ul>
Post conditions	<i>Admin is able to manage the program correctly.</i>

<i>UC Name</i>	<i>PMS_06 - User profile</i>
<i>Summary</i>	<i>The system shall support the idea of a user profile. The system's user-specific customizable parameters are contained in the user profile. The user profile can be related to only one user.</i>
<i>Dependency</i>	<i>PMS_1, PMS_2 ,PMS_3, PMS_4</i>
<i>Actors</i>	<i>User(member , leader)</i>
<i>Preconditions</i>	<i>You should log in as a user ,create a profile.</i>
<i>Description of the Main Sequence</i>	<ul style="list-style-type: none"> <li>● <i>The user will be able to access his profile.</i></li> <li>● <i>He is permitted to access his profile only.</i></li> </ul>
<i>Description of the Alternative Sequence</i>	<ul style="list-style-type: none"> <li>● <i>He can access his :</i></li> <li>● <i>Name</i></li> <li>● <i>Surname</i></li> <li>● <i>Phone number</i></li> <li>● <i>Address</i></li> <li>● <i>Email</i></li> </ul>
<i>Non functional requirements</i>	<p><b>4.3.1 System Interface/Integration</b></p> <p><i>The DB will provide to the users only as information. They can only modify the structure for their personal information . Admin will have access to the DB configuration. The system will take care of queries.</i></p>
<i>Post conditions</i>	<i>User will access his personal profile information</i>

<i>UC Name</i>	<i>PMS_07 - User profile modification</i>
<i>Summary</i>	<i>The system must enable the user to edit his profile and update changes.</i>
<i>Dependency</i>	<i>PMS_1, PMS_2 ,PMS_3, PMS_4 ,PMS_6</i>
<i>Actors</i>	<i>User(member , leader)</i>
<i>Preconditions</i>	<i>You have to log in as a user and have a profile.</i>
<i>Description of the Main Sequence</i>	<ul style="list-style-type: none"> <li>● <i>The user will be able to edit his profile.</i></li> <li>● <i>He is permitted to edit his personal profile only.</i></li> </ul>
<i>Description of the Alternative Sequence</i>	<ul style="list-style-type: none"> <li>● <i>He can edit :</i></li> <li>● <i>Name</i></li> <li>● <i>Surname</i></li> <li>● <i>Phone number</i></li> <li>● <i>Address</i></li> <li>● <i>Email</i></li> </ul>
<i>Non functional requirements</i>	<p><b>4.3.2 System Interface/Integration</b></p> <p><i>The DB will provide to the users only as information. They can only modify the structure for their personal information . Admin will have access to the DB configuration. The system will take care of queries.</i></p>
<i>Post conditions</i>	<i>User will modify his personal profile information</i>

UC Name	PMS_8 – Log In
Summary	<i>User will login to the system by using their name and password before they can interact with the system. The user is not allowed to login in the password is incorrect or in the case the user is not registered. If the user is authenticated successfully he/she will be presented with a GUI customized according to their user role and projects.</i>
Dependency	<i>PMS_1, PMS_2</i>
Actors	<i>User/Admin</i>
Preconditions	<i>You have to log in using a valid name and password.</i>
Description of the Main Sequence	<ul style="list-style-type: none"> <li>● <i>The user need to sign up in order to log in successfully.</i></li> <li>● <i>He need a valid name and password.</i></li> <li>● <i>He cannot log in if the password is incorrect.</i></li> <li>● <i>After a successful log in he will be presented with the according first page and role.</i></li> </ul>
Description of the Alternative Sequence	<ul style="list-style-type: none"> <li>● <i>He will be able to access his profile</i></li> <li>● <i>He will be able to access a project according to his role on that project , ether member or leader.</i></li> </ul>
Non functional requirements	<p>4.3.2.1 <i>Authorization and Authentication</i></p> <ul style="list-style-type: none"> <li>● <i>Correct credentials are checked when users log in.</i></li> <li>● <i>Authorization will be based on the type of users.</i></li> <li>● <i>Users will have access only to their information.</i></li> <li>● <i>Session to be used for the currently logged user.</i></li> <li>● <i>Using Cookies and PubCookie tool.</i></li> </ul>
Post conditions	<i>User will successfully log in and be presented to the according page for his role.</i>

UC Name	PMS_9 - Registration
Summary	<i>The user will enter the credentials to register. If registration fails due to account already existing an error message will be displayed accordingly. If the registration succeeds the user will be presented with a customized GUI.</i>
Dependency	<i>none</i>
Actors	<i>User</i>
Preconditions	<i>You have to register inputting full name , email , and password.</i>
Description of the Main Sequence	<ul style="list-style-type: none"> <li>● <i>The user needs to put some information in order to register.</i></li> <li>● <i>The user needs valid credentials.</i></li> <li>● <i>He cannot register if the user exists.</i></li> <li>● <i>After a successful registration the user will be redirected to login page.</i></li> </ul>
Description of the Alternative Sequence	<ul style="list-style-type: none"> <li>● <i>A user can be registered by the admin.</i></li> </ul>
Non functional requirements	<i>System Availability</i>
Post conditions	<i>User will successfully log in and be presented to the according page for his role.</i>

**Psi Requirements Specification**

UC Name	PMS_10 – View Projects
Summary	<i>The user will login, and will be directed to Home , where the projects are displayed, and the user can search for a certain project to open.</i>
Dependency	<i>PMS_01 , PMS_02, PMS_25</i>
Actors	<i>User</i>
Preconditions	<i>You have to login using email and password. A client should have been added.</i>
Description of the Main Sequence	<ul style="list-style-type: none"> <li>● <i>The user needs to login in order to view the projects.</i></li> <li>● <i>The user is redirected to home page where he can select on the menu “clients”.</i></li> <li>● <i>Opening a client will show the associated projects.</i></li> <li>● <i>The user views the project and works in it.</i></li> </ul>
Description of the Alternative Sequence	<i>none</i>
Non functional requirements	<i>System Availability</i>
Post conditions	<i>User will open the project.</i>

**Psi Requirements Specification**

UC Name	PMS_11 – Project Filtering
Summary	<i>The user will login, and will be directed to Home , where the projects are displayed, and the user can apply certain filters to view the projects, such as sort by date, sort by name etc.</i>
Dependency	<i>PMS_01 , PMS_02 , PMS_11</i>
Actors	<i>User</i>
Preconditions	<i>You have to login using email and password .</i>
Description of the Main Sequence	<ul style="list-style-type: none"> <li>● <i>The user needs to login in order to view the projects.</i></li> <li>● <i>The user is redirected to home page where certain filters can be applied to view the projects.</i></li> </ul>
Description of the Alternative Sequence	<i>none</i>
Non functional requirements	<i>System Availability</i>
Post conditions	<i>User will view the projects according to the filter he wishes to use.</i>

UC Name	PMS_12 – Project Creating
Summary	<i>The user will login, and will be directed to Home , where the projects are displayed. Here the user can create a project , and also add members to the project. In this way the simple user that creates a project is automatically a team leader.</i>
Dependency	<i>PMS_01 , PMS_02, PMS_25</i>
Actors	<i>User</i>
Preconditions	<i>You have to login using email and password , and view the projects. A client should have been added.</i>
Description of the Main Sequence	<ul style="list-style-type: none"> <li>● <i>The user needs to login in order to view the projects.</i></li> <li>● <i>The user is redirected to home page where he can see the clients.</i></li> <li>● <i>Opening a client will show the associated projects.</i></li> <li>● <i>There is a button New Project</i></li> <li>● <i>Clicking it and filling the form will create a new project.</i></li> </ul>
Description of the Alternative Sequence	<i>none</i>
Non functional requirements	<i>System Availability</i>
Post conditions	<i>User will create a project and add members to the project.</i>

***Psi Requirements Specification***

UC Name	<i>PMS_13 – Edit Project</i>
Summary	<i>Edit A Projects Attributes</i>
Dependency	<i>PMS_03-2, PMS-10</i>
Actors	<i>Project Leader</i>
Preconditions	<i>Project Leader Role</i>
Description of the Main Sequence	<ul style="list-style-type: none"> <li>● <i>Select a project and click on the edit option</i></li> <li>● <i>The user will be redirected to a page containing the attributes of the project.</i></li> <li>● <i>If the attribute is updated successfully a green message will be displayed to inform the user.</i></li> <li>● <i>If the attribute change is unsuccessful due to a possible unwanted interactivity with another attribute a red message will displayed to inform the user the change was not successful.</i></li> </ul>
Description of the Alternative Sequence	<ul style="list-style-type: none"> <li>● <i>Open a certain projects dashboard. From there the user can click on the settings and will be redirected to the page containing the projects attributes.</i></li> </ul>
Non functional requirements	<i>System Availability</i>
Postconditions	<i>Updated Project Attributes</i>

**Psi Requirements Specification**

UC Name	<i>PMS_14 – Delete Project</i>
Summary	<i>Delete A Certain Project</i>
Dependency	<i>PMS_03-2, PMS-10</i>
Actors	<i>Project Leader</i>
Preconditions	<i>Project Leader Role</i>
Description of the Main Sequence	<ul style="list-style-type: none"> <li>● <i>Select a project and click on the delete option</i></li> <li>● <i>If the user has the required privileges (user role) a dialog box will pop up for the user to confirm the deletion process.</i></li> <li>● <i>If not, a red alert message will inform the user of the insufficient privileges to perform the action.</i></li> </ul>
Description of the Alternative Sequence	<ul style="list-style-type: none"> <li>● <i>Open a certain projects dashboard. From there the user can on delete project option next to the settings.</i></li> <li>● <i>If the user has the required privileges (user role) a dialog box will pop up for the user to confirm the deletion process.</i></li> <li>● <i>If not, a red alert message will inform the user of the insufficient privileges to perform the action</i></li> </ul>
Non functional requirements	<i>System Availability</i>
Postconditions	<i>Deleted Project From The List Of Projects</i>

UC Name	<i>PMS_15 – Export project</i>
Summary	<i>Export Project To A File</i>
Dependency	<i>PMS_03, PMS-10</i>
Actors	<i>Users</i>
Preconditions	<i>Any User Role</i>
Description of the Main Sequence	<ul style="list-style-type: none"> <li>● <i>Enters the project dashboard</i></li> <li>● <i>Click on the Export option</i></li> <li>● <i>The user will be redirected to a page where they can specify the format of the file the project will be exported to.</i></li> <li>● <i>A dialogue box will show up where the user can set the directory they want the file to be saved to and the name.</i></li> </ul>
Description of the Alternative Sequence	
Non functional requirements	<i>System Availability</i>
Postconditions	<i>Project Exported In The Form Of A File</i>

UC Name	<i>PMS_16 – Post Announcement</i>
Summary	<i>Posting Announcement For A Project</i>
Dependency	<i>PMS_03-2, PMS-10</i>
Actors	<i>Team Leader</i>
Preconditions	<i>Team Leader Role</i>
Description of the Main Sequence	<ul style="list-style-type: none"> <li>● <i>Enter the project dashboard</i></li> <li>● <i>The user can click on the Create Announcement option to make an announcement.</i></li> <li>● <i>A text field will appear where the Team Leader can write the announcement and a date field where the wanted date for the announcement can be specified.</i></li> </ul>
Description of the Alternative Sequence	
Non functional requirements	<i>System Availability</i>
Postconditions	<i>A New Announcement On The Announcement Page (Depends On Date Specified)</i>

UC Name	<i>PMS_17 - Manage Members</i>
Summary	<i>Add members in the current Project, remove member and edit information of members regarding project.</i>
Dependency	<i>PMS_03, PMS_12, PMS_13</i>
Actors	<i>Project Leader</i>
Preconditions	<i>Entering a project, in which user has the role of Project Leader</i>
Description of the Main Sequence	<ul style="list-style-type: none"> <li>● <i>Open Project and click Members on the menu.</i></li> <li>● <i>It will be redirected to a page, where it I can see a list of already joined members.</i></li> <li>● <i>Write username and click “+Add Member”.</i></li> <li>● <i>If username doe not exist a message will be displayed.</i></li> <li>● <i>In the Members's list, in the end of each row is a button “Remove”. The user will be removed from the project.</i></li> <li>● <i>In the Members's list, in the end of each row is a button “Edit”. Project leader can edit position of member.</i></li> </ul>
Description of the Alternative Sequence	<ul style="list-style-type: none"> <li>● <i>In top of the page you can write the username and click search. The users, which fulfill the filter search will be shown in the list. Then Project Leader can continue with edit/remove functions.</i></li> </ul>
Non functional requirements	<i>User input validation.</i>
Postconditions	<i>Updated members list of Project.</i>

UC Name	<i>PMS_18 - Assign Tasks</i>
Summary	<i>Assign tasks to the members in the current Project.</i>
Dependency	<i>PMS_03, PMS_12, PMS_13, PMS_17</i>
Actors	<i>Project Leader</i>
Preconditions	<i>Entering a project, in which user has the role of Project Leader. Already joined project members to assign tasks to.</i>
Description of the Main Sequence	<ul style="list-style-type: none"> <li>● <i>Open Project and click Tasks on the menu.</i></li> <li>● <i>Click button “+Task”.</i></li> <li>● <i>A form is displayed, in which you can input task name, task description and the project member and submit it.</i></li> </ul>
Description of the Alternative Sequence	<ul style="list-style-type: none"> <li>● <i>A list of members is displayed to add, instead of writing the full username of project member in form.</i></li> </ul>
Non functional requirements	<i>User input validation.</i>
Postconditions	<i>Task will be displayed to Project Member personal tasks and to Project Leader’s Project Tasks</i>

UC Name	<i>PMS_19 - Dashboard</i>
Summary	<i>Dashboard displays the progress of tasks depending of user role. Project Leader sees the progress of all tasks of projects and each member. Project member can see the progress of its own tasks.</i>
Dependency	<i>PMS_02, PMS_03, PMS_18</i>
Actors	<i>User/ Project Leader/ Project Member</i>
Preconditions	<i>Entered to a project, in which there are assigned tasks to project members.</i>
Description of the Main Sequence	<ul style="list-style-type: none"> <li>● <i>Open Project and click Dashboard on the menu.</i></li> <li>● <i>For user with role Project Leader, it will show the progress of tasks: in progress or completed.</i></li> <li>● <i>It will also show the progress of each Project Member</i></li> </ul>
Description of the Alternative Sequence	<ul style="list-style-type: none"> <li>● <i>Open Project and click Dashboard on the menu.</i></li> <li>● <i>For user with role Project Member, it will show the progress of its own tasks: in progress or completed.</i></li> </ul>
Non functional requirements	
Postconditions	<i>Project Leader can see the progress of all group. Project Member can see the progress of its own work.</i>

UC Name	<i>PMS_20 - Task Completion</i>
Summary	<i>Dashboard displays the progress of tasks depending of user role. Project Leader sees the progress of all tasks of projects and each member. Project member can see the progress of its own tasks.</i>
Dependency	<i>PMS_02, PMS_03, PMS_18,</i>
Actors	<i>User/ Project Member</i>
Preconditions	<i>Entered to a project , in which the role is Project Member and there are assigned tasks to be completed by Project Members.</i>
Description of the Main Sequence	<ul style="list-style-type: none"> <li>● <i>Open Project and click Tasks on the menu.</i></li> <li>● <i>Select the task.</i></li> <li>● <i>There can see the task information and a button “Done”.</i></li> <li>● <i>Clicking the button will complete the task.</i></li> </ul>
Description of the Alternative Sequence	<ul style="list-style-type: none"> <li>● <i>The project member can search by task name to find it.</i></li> </ul>
Non functional requirements	<i>User input validation in search filter.</i>
Postconditions	<i>Task will be updated to completed to the project member and project leader. It will also update the dashboard.</i>

**Psi Requirements Specification**

UC Name	<i>PMS_21 – Announcement Comment</i>
Summary	<i>Project Leader posts an Announcement . All the members of the project can comment on this Announcement.</i>
Dependency	<i>PMS_02, PMS_03, PMS_16</i>
Actors	<i>User/ Project Leader /Project Member</i>
Preconditions	<i>An Announcement is previously done by the team leader of the certain project.</i>
Description of the Main Sequence	<ul style="list-style-type: none"> <li>● Open Project and click Announcements on the menu.</li> <li>● Select the announcement.</li> <li>● There you can see the announcement , a text area , and a “Comment” button.</li> <li>● Clicking on the text area will allow you to comment on the announcement.</li> <li>● Pressing “enter” on keyboard or clicking the “Comment” button will post the comment.</li> </ul>
Description of the Alternative Sequence	
Non functional requirements	<i>Input validation.</i>
Postconditions	<i>The comment will be posted under the Announcement. It will be visible to all the project members.</i>

***Psi Requirements Specification***

UC Name	<i>PMS_22 – Chatbox</i>
Summary	<i>Members can communicate with each other using the project chatbox , so the user can write to all members of the group.</i>
Dependency	<i>PMS_02, PMS_03</i>
Actors	<i>User/ Project Leader /Project Member</i>
Preconditions	<i>The user must be part of the team to access the chatbox.</i>
Description of the Main Sequence	<ul style="list-style-type: none"> <li>● <i>Open Project and click Announcements on the menu.</i></li> <li>● <i>There you can see the Chatbox , including an input text field and a “Send” button.</i></li> <li>● <i>Go to the input text area and type your message.</i></li> <li>● <i>Press “Enter” or Click “Send” button to send the message.</i></li> </ul>
Description of the Alternative Sequence	
Non functional requirements	<i>Input validation.</i>
Postconditions	<i>The message will be sent to all the members of the team. The other members can reply .</i>

**Psi Requirements Specification**

UC Name	<i>PMS_23 – Task Completion Time</i>
Summary	<i>The Project Member inputs the time he needs to complete the given task.</i>
Dependency	<i>PMS_02, PMS_03, PMS_12</i>
Actors	<i>Project Member</i>
Preconditions	<i>The task is assigned to the Project Member by the Project Leader.</i>
Description of the Main Sequence	<ul style="list-style-type: none"> <li>● <i>Open Project and click Task on the menu.</i></li> <li>● <i>Select the task.</i></li> <li>● <i>There you can see the task ,a date input field , and a button “Change Time”.</i></li> <li>● <i>Clicking on the date you can choose the estimated time , then clicking on the button will update the time.</i></li> </ul>
Description of the Alternative Sequence	
Non functional requirements	<i>Input validation.</i>
Postconditions	<i>The estimated completion time for the given task is added. It will be visible to the team leader.</i>

**Psi Requirements Specification**

UC Name	<i>PMS_24 – Task Report</i>
Summary	<i>After finishing a task , the Project Member creates a report for the task.</i>
Dependency	<i>PMS_02, PMS_03, PMS_12</i>
Actors	<i>Project Member</i>
Preconditions	<i>The task is assigned to the member by the leader, and it is finished by the member.</i>
Description of the Main Sequence	<ul style="list-style-type: none"> <li>● <i>Open Project and click Task on the menu.</i></li> <li>● <i>Select the task .</i></li> <li>● <i>There you can see the “+Create a report” Button.</i></li> <li>● <i>Clicking in the button will allow you to upload a file from your documents.</i></li> <li>● <i>After you upload the report file a button “Submit” will appear.</i></li> <li>● <i>Clicking the button will post the report.</i></li> </ul>
Description of the Alternative Sequence	
Non functional requirements	
Postconditions	<i>The report will be reviewed by the Project leader.</i>

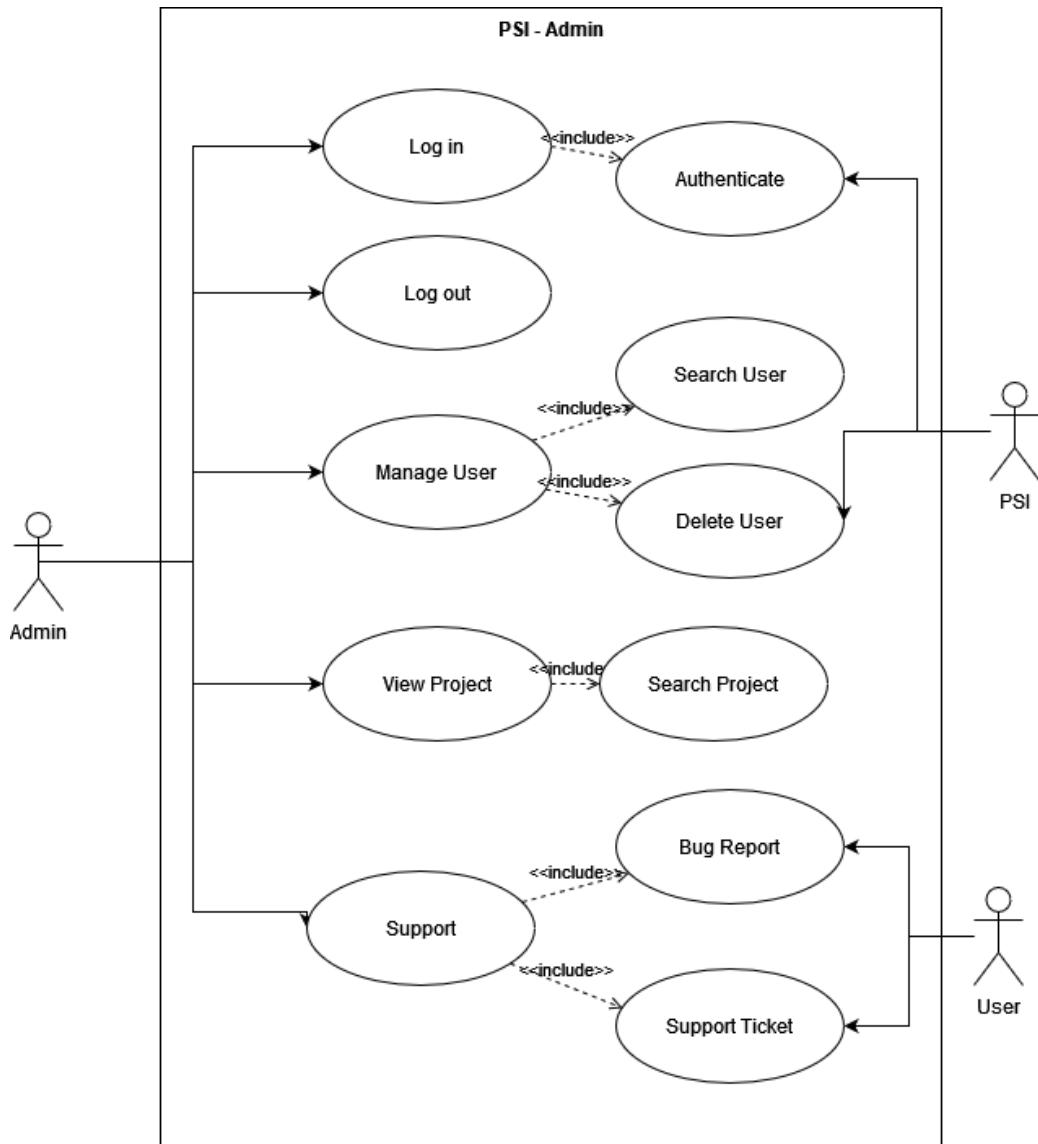
**Psi Requirements Specification**

UC Name	<i>PMS_25 – Manage Client</i>
Summary	<i>After finishing a task , the Project Member creates a report for the task.</i>
Dependency	<i>PMS_02, PMS_03</i>
Actors	<i>User</i>
Preconditions	<i>You have to be logged in.</i>
Description of the Main Sequence	<ul style="list-style-type: none"> <li>● <i>The user needs to login in order to view the projects.</i></li> <li>● <i>The user is redirected to home page where he can select on the menu “clients”.</i></li> <li>● <i>Click Add Client Button and a form will be displayed.</i></li> <li>● <i>Filling the form and submitting it will add a client</i></li> </ul>
Description of the Alternative Sequence	<ul style="list-style-type: none"> <li>● <i>The user needs to login in order to view the projects.</i></li> <li>● <i>The user is redirected to home page where he can select on the menu “clients”.</i></li> <li>● <i>Select a client and click button Delete to delete the client.</i></li> </ul>
Non functional requirements	<i>Input validation</i>
Postconditions	<i>The report will be reviewed by the Project leader.</i>

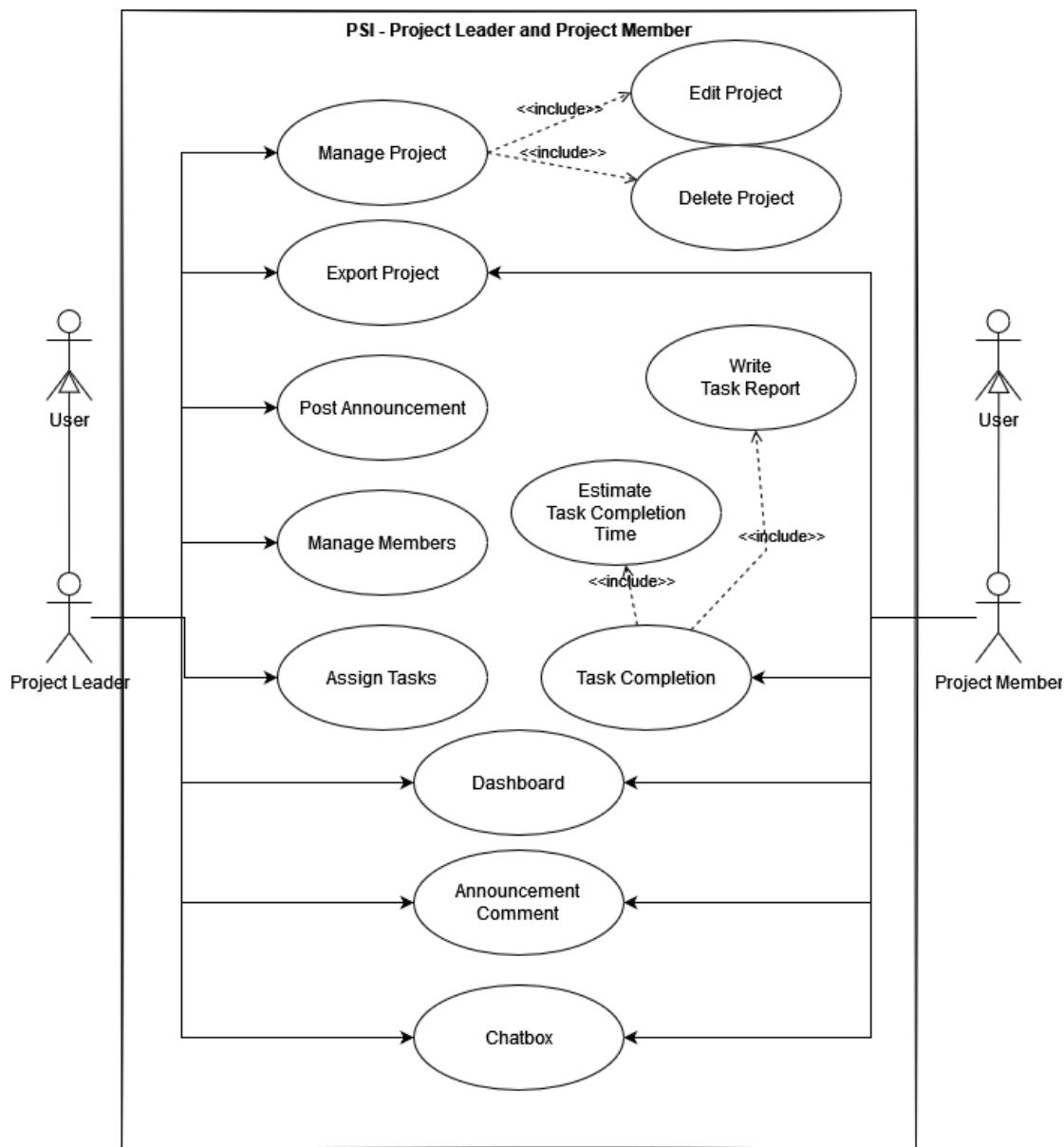
## *Psi Requirements Specification*

### 4.3 Diagrams

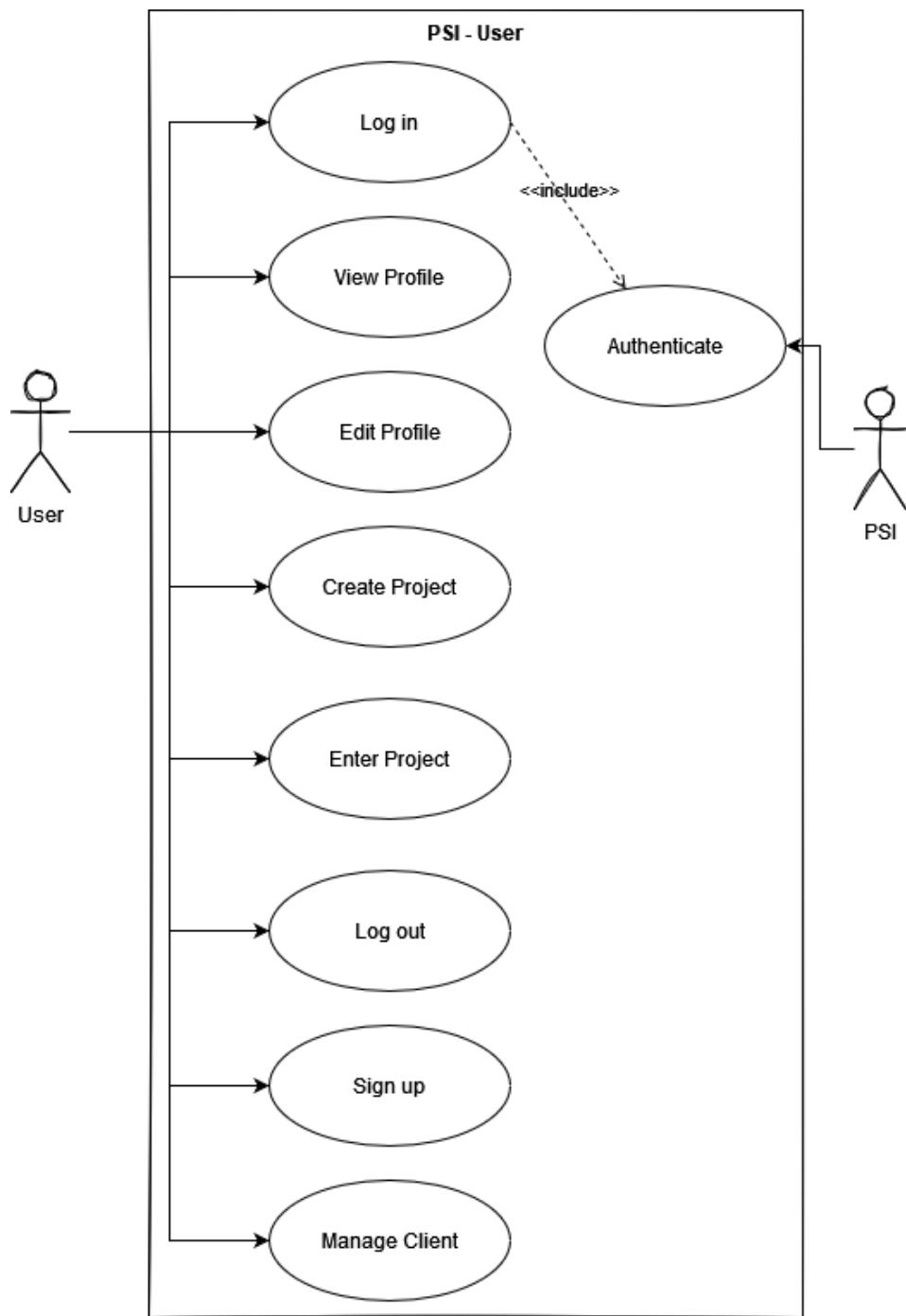
#### 4.3.1-Use Case Diagrams



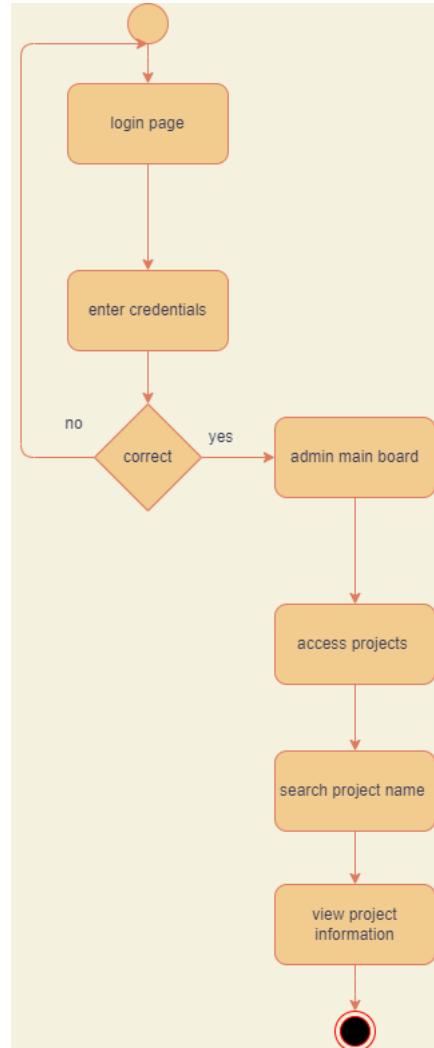
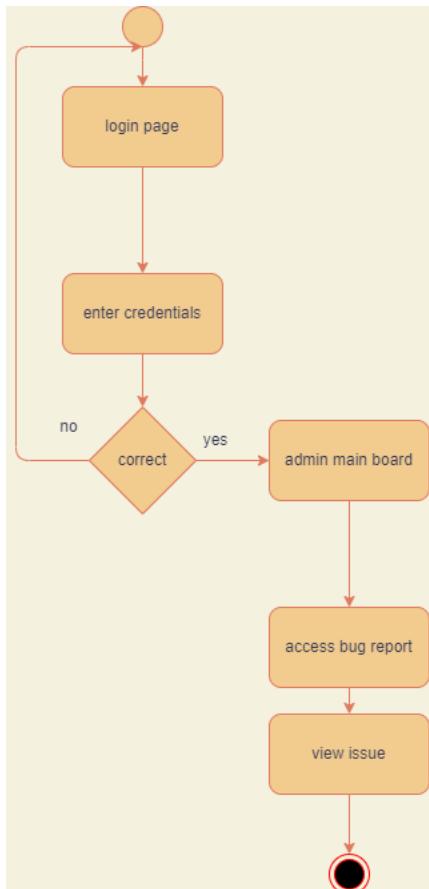
## Psi Requirements Specification



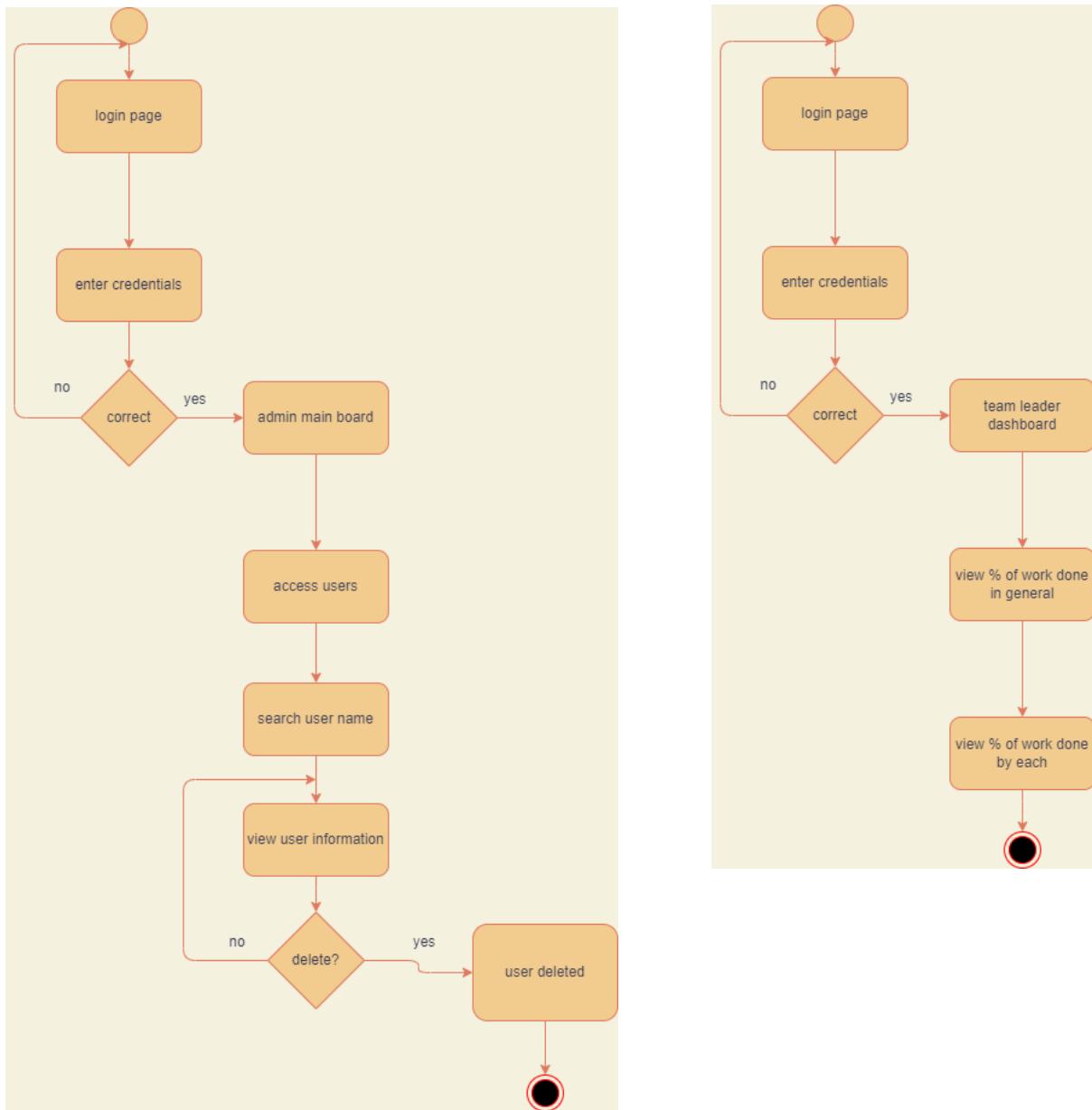
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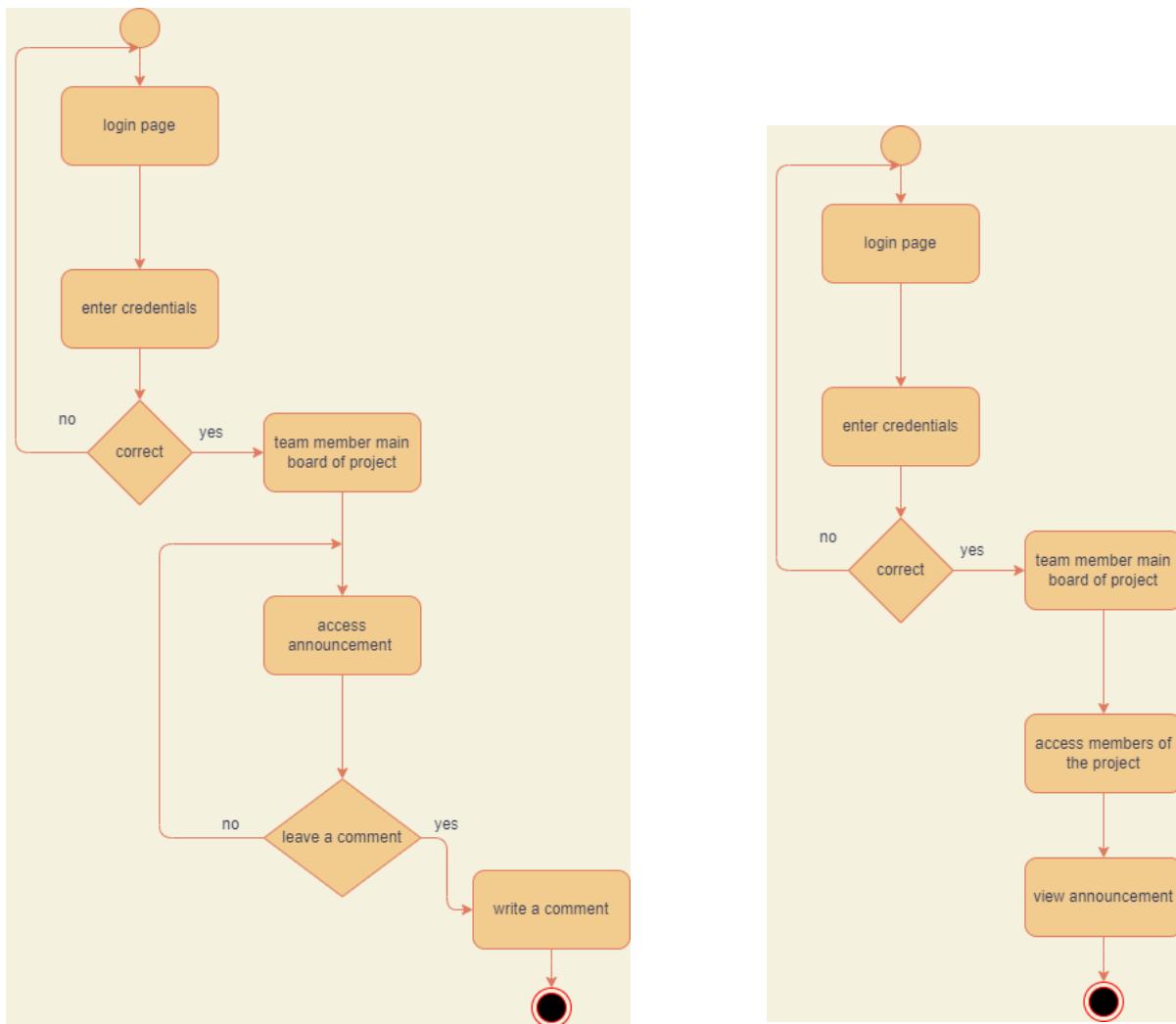
#### 4.3.2- Activity Diagrams

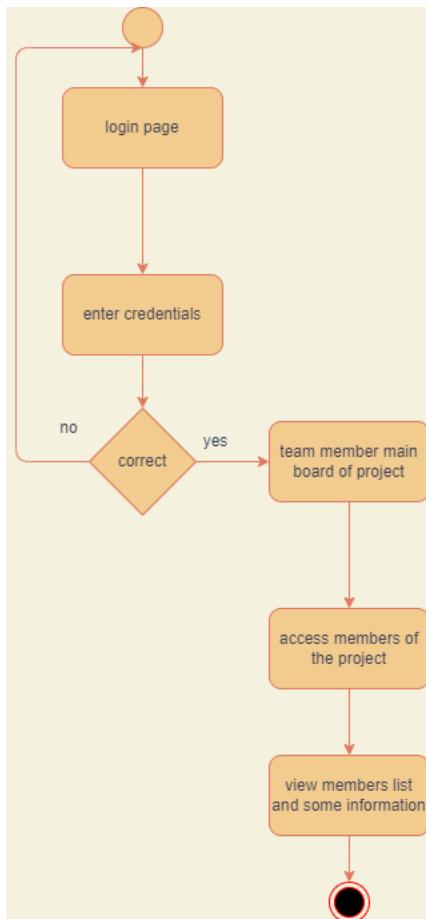


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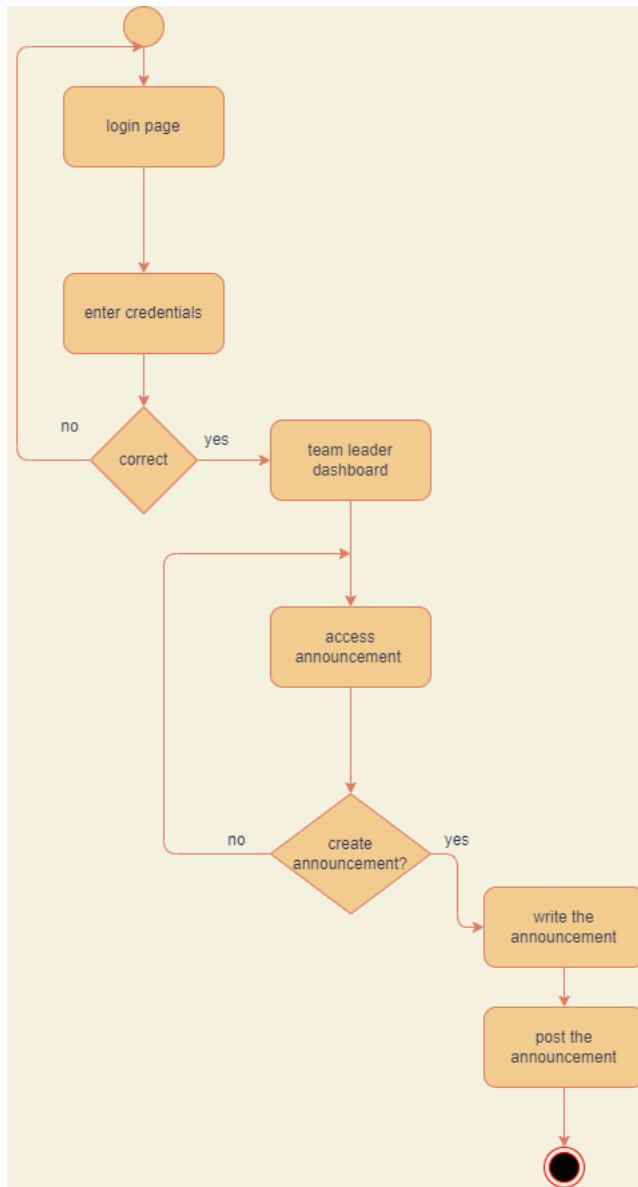
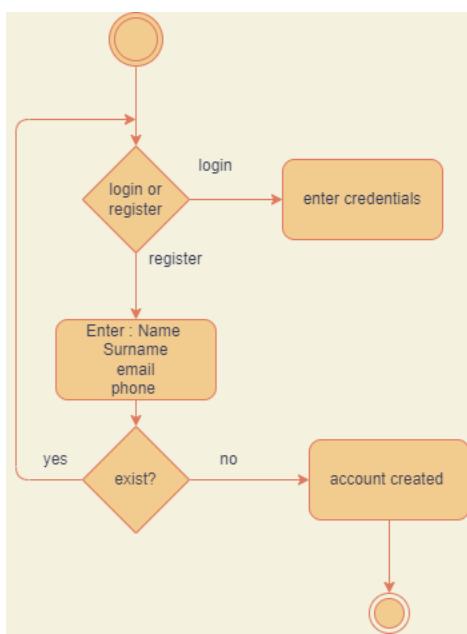


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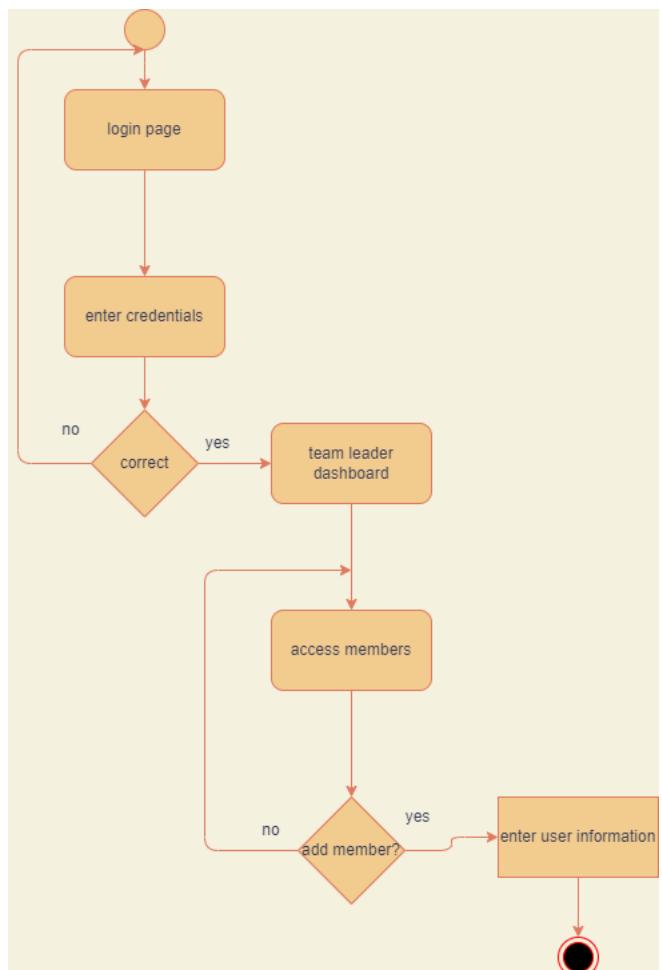
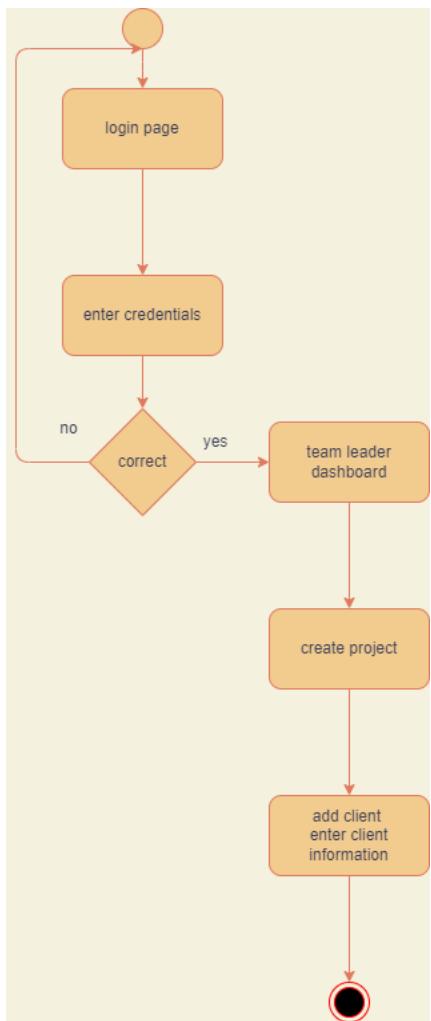




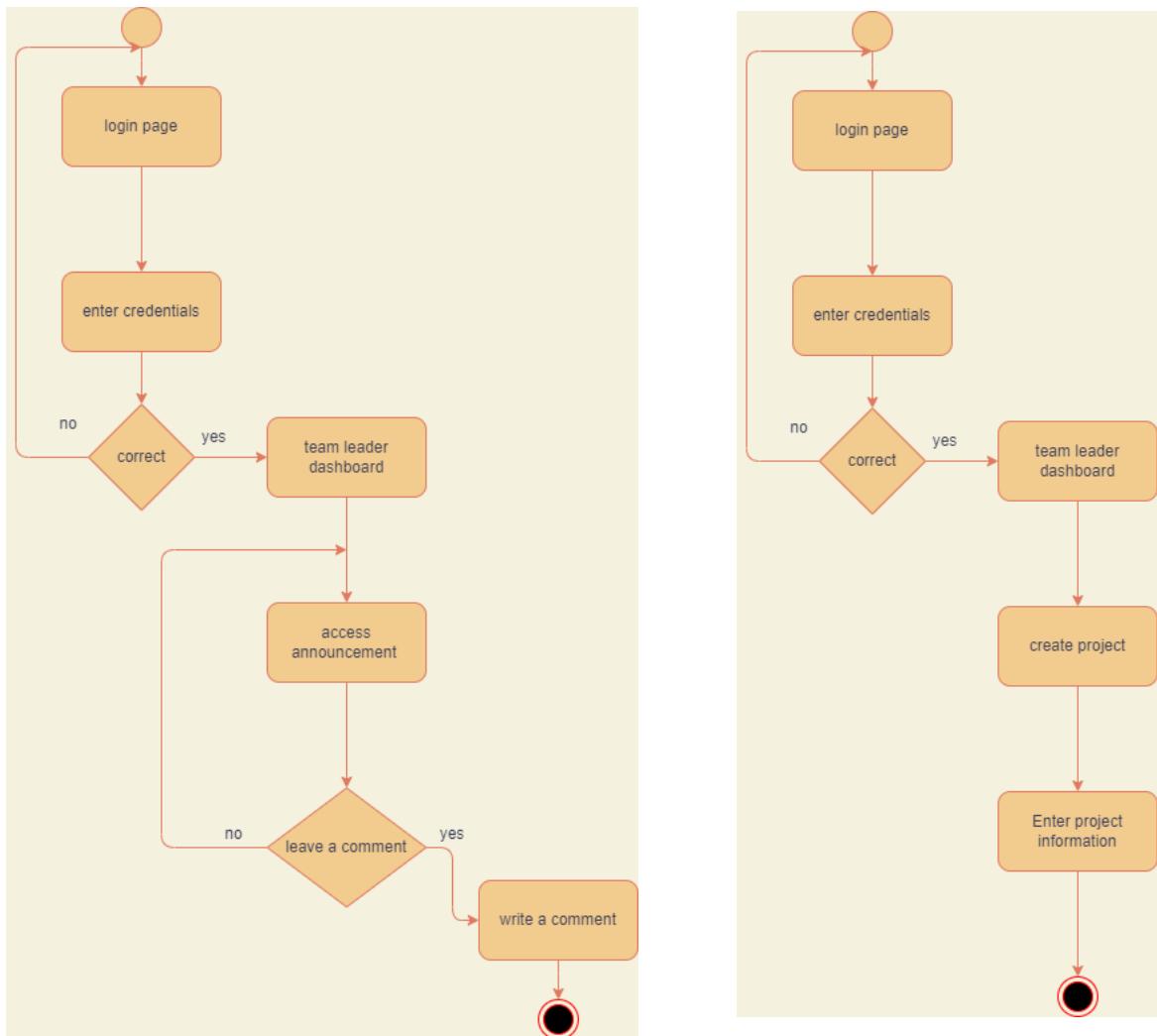
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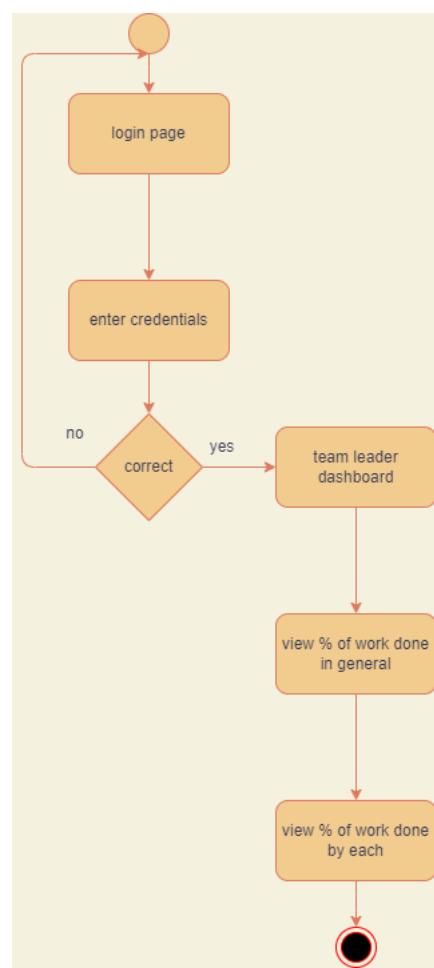
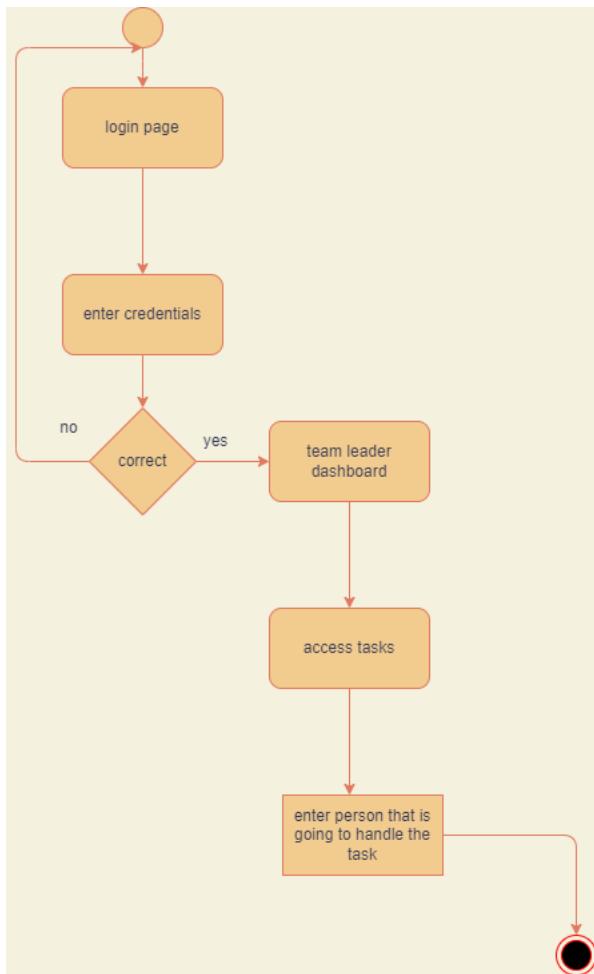
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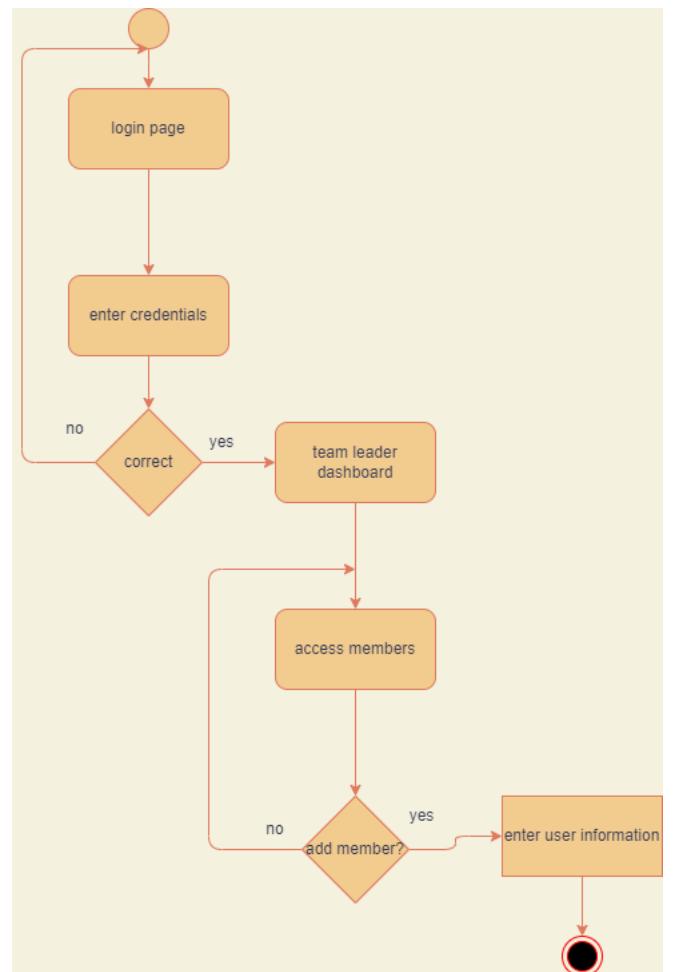
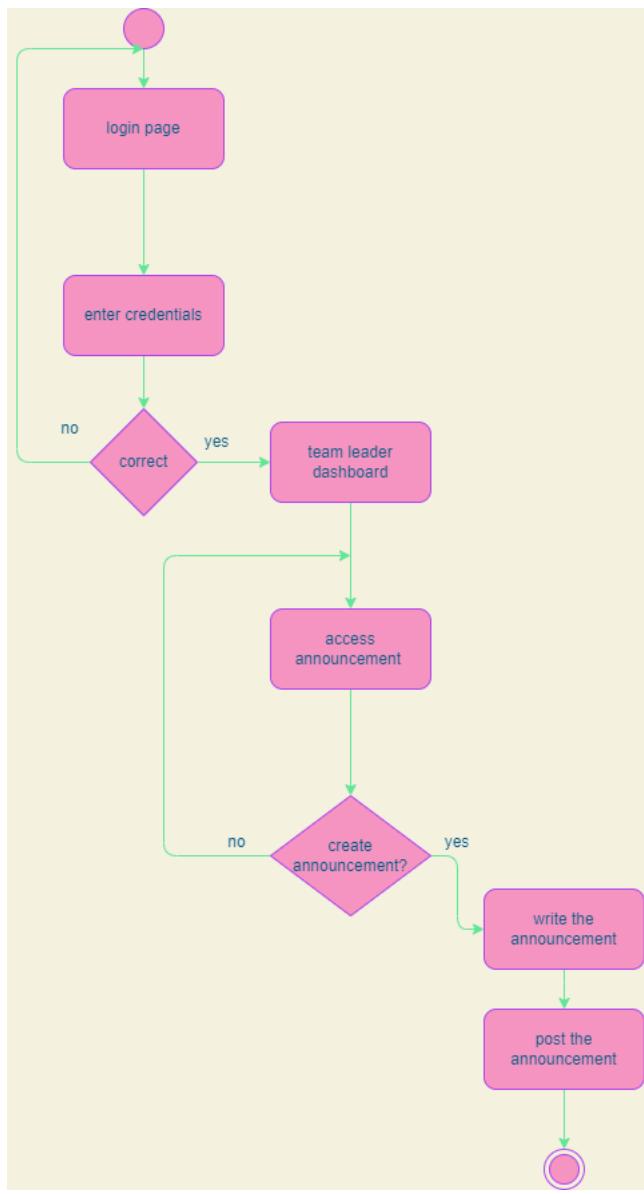
## Psi Requirements Specification



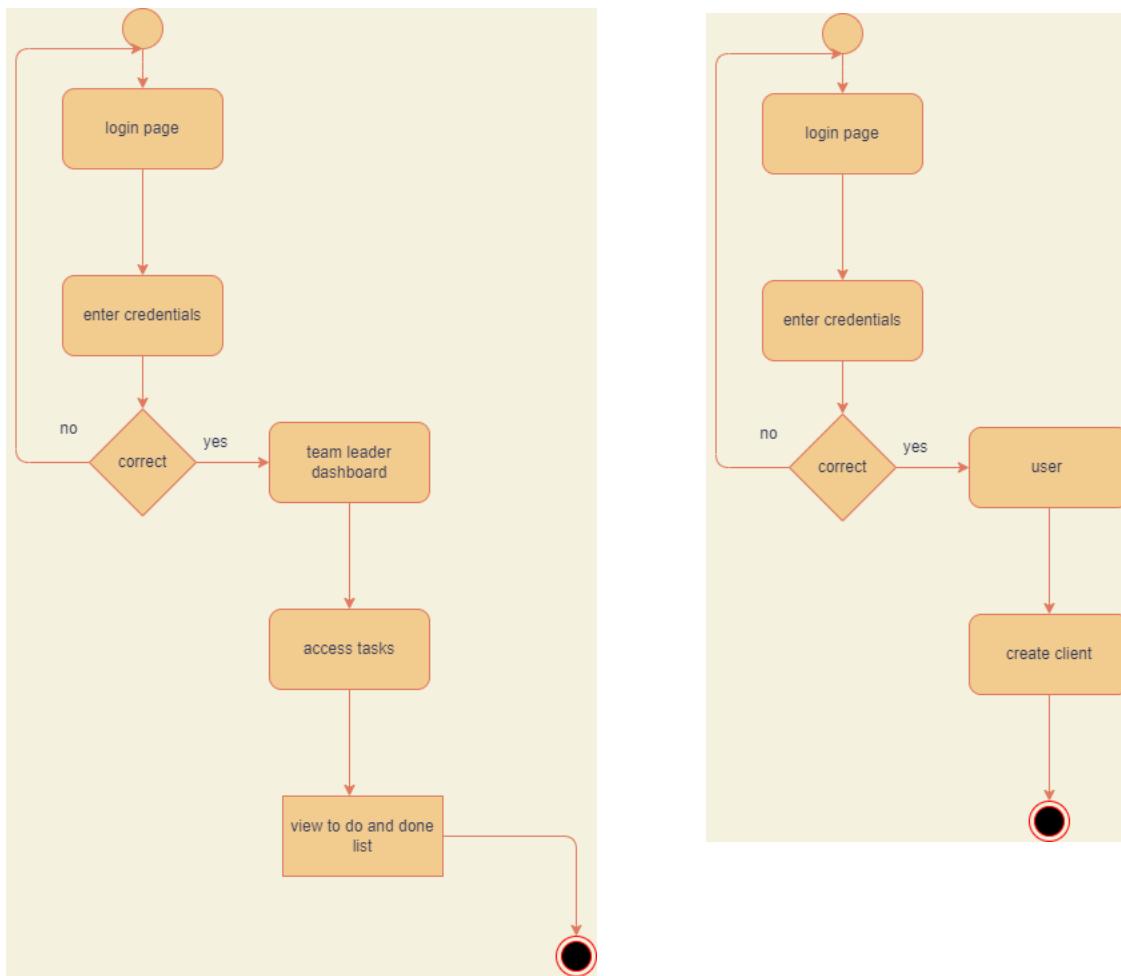
## Psi Requirements Specification



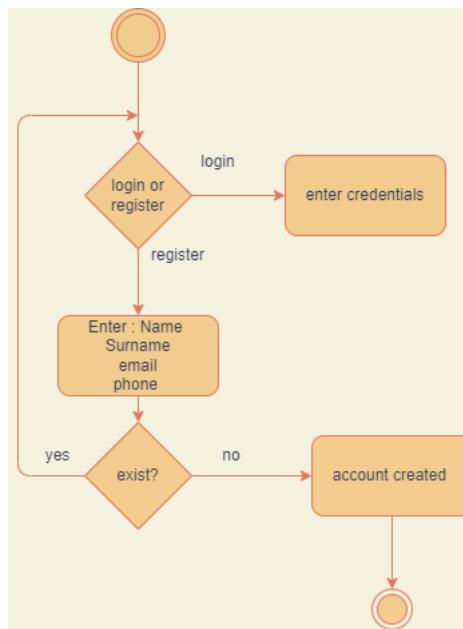
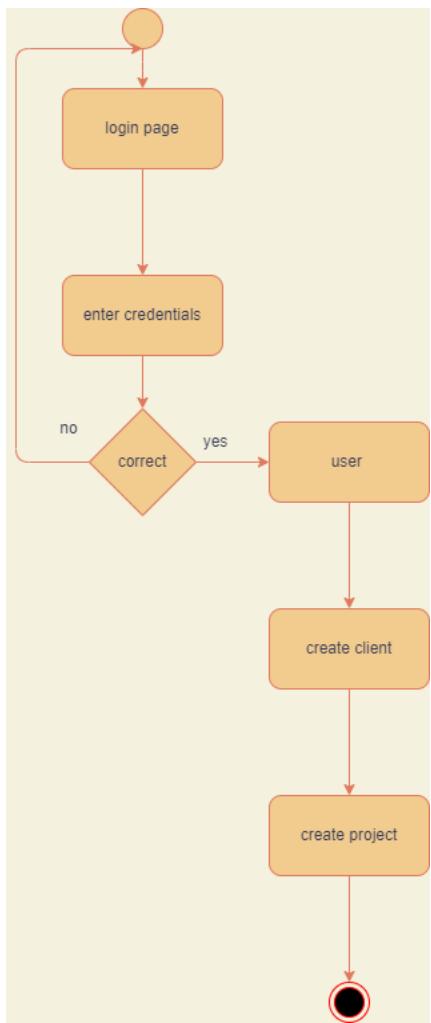
## Psi Requirements Specification



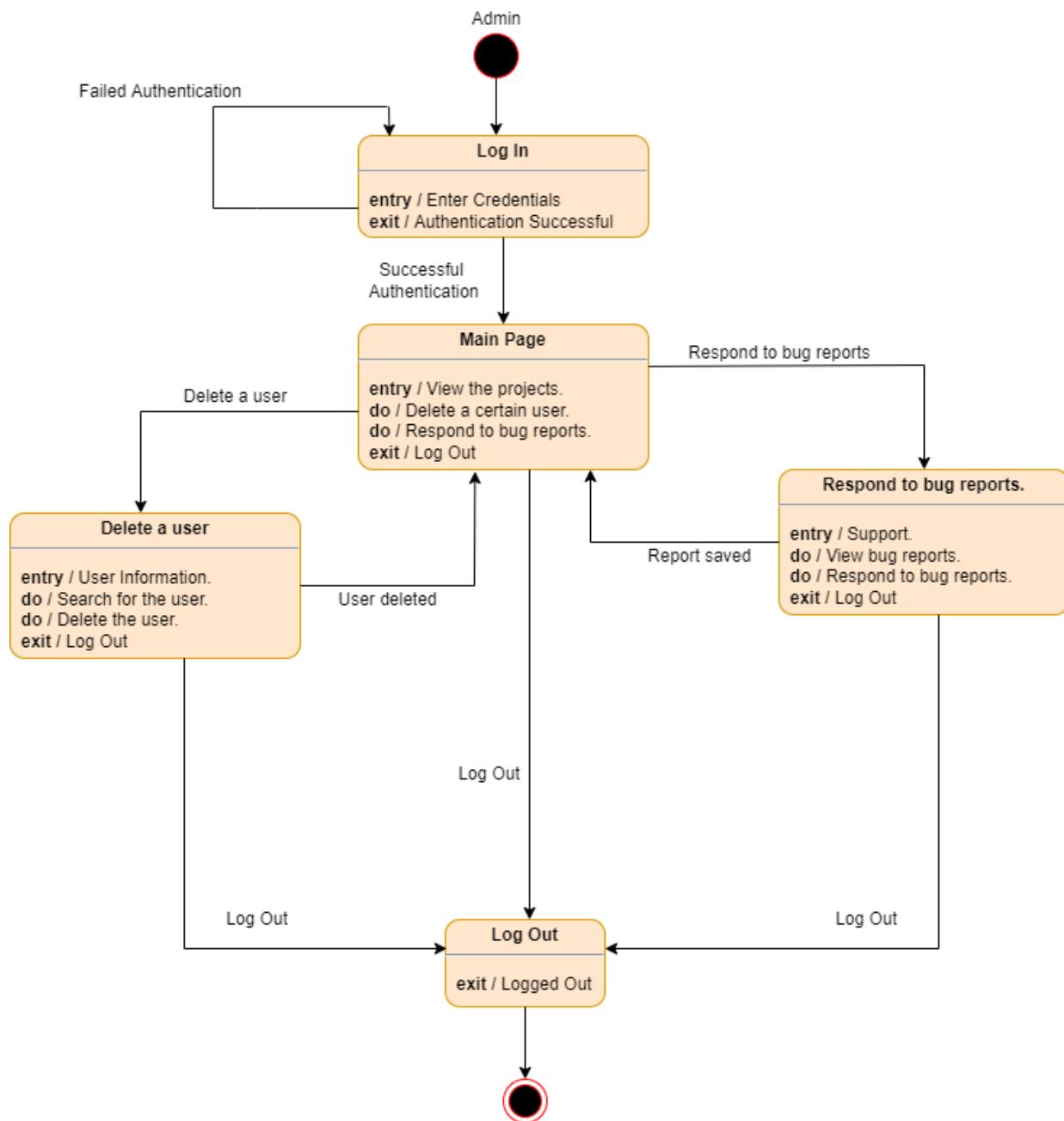
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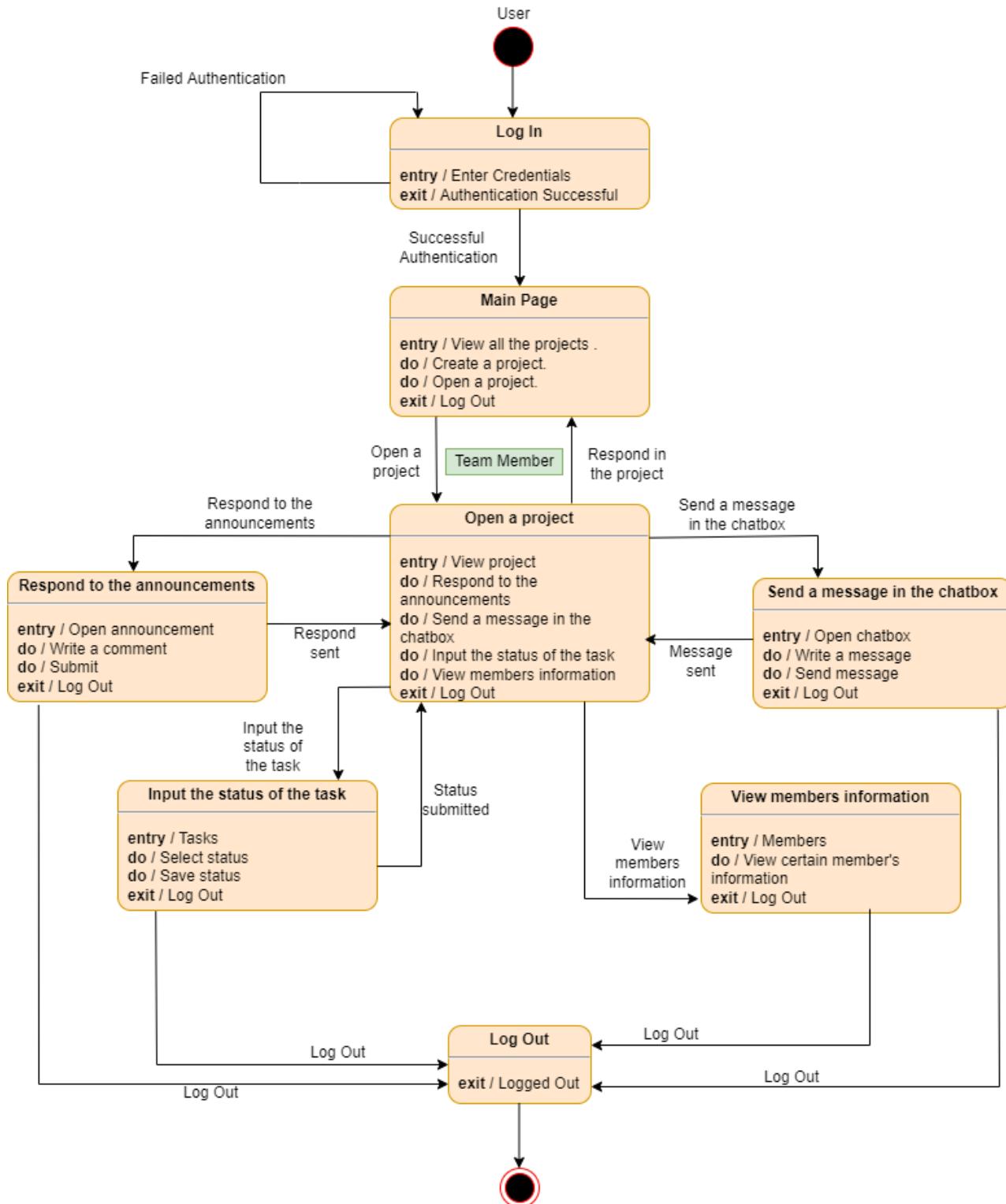
## Psi Requirements Specification



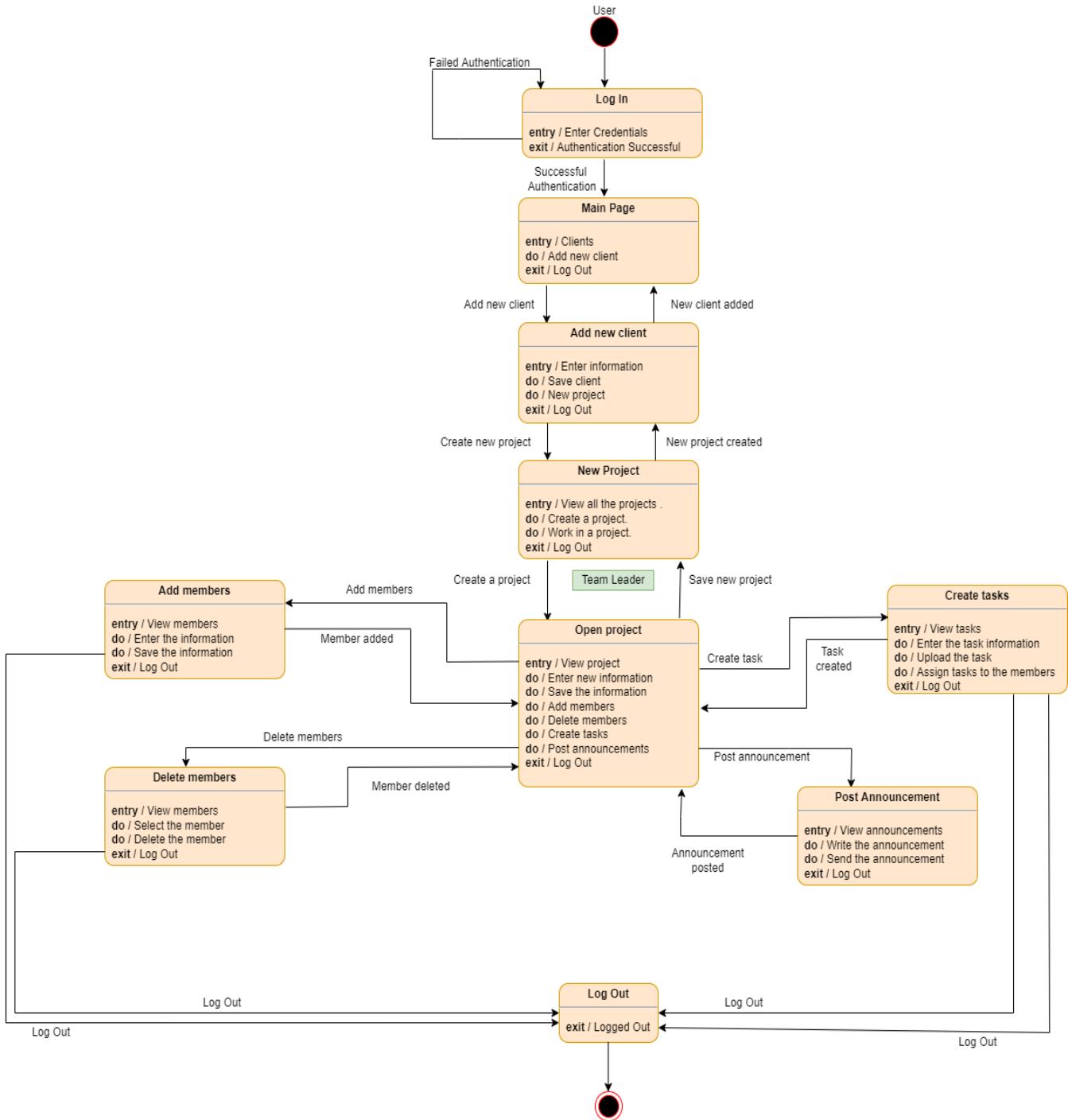
#### 4.3.3-State Diagrams



## Psi Requirements Specification

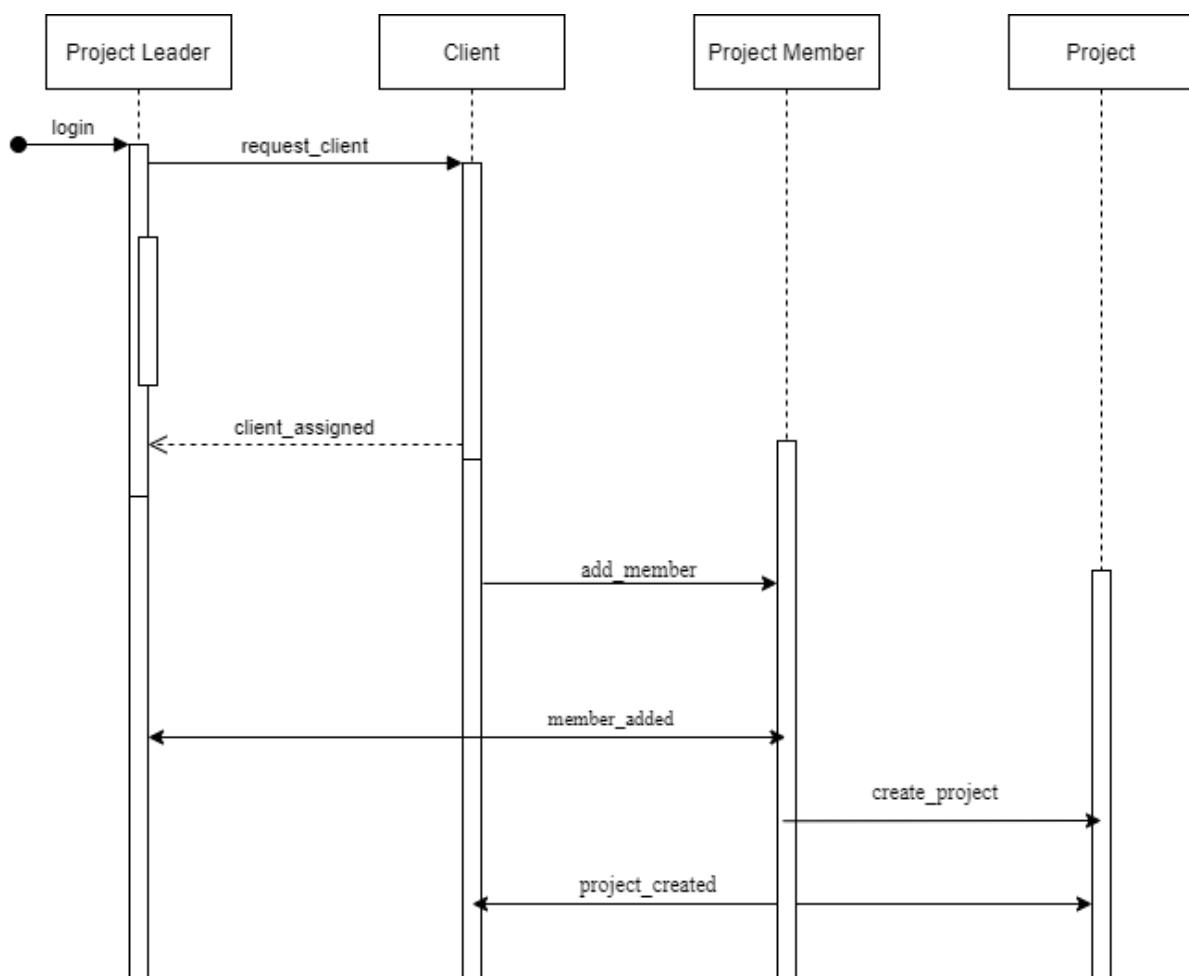


## Psi Requirements Specification

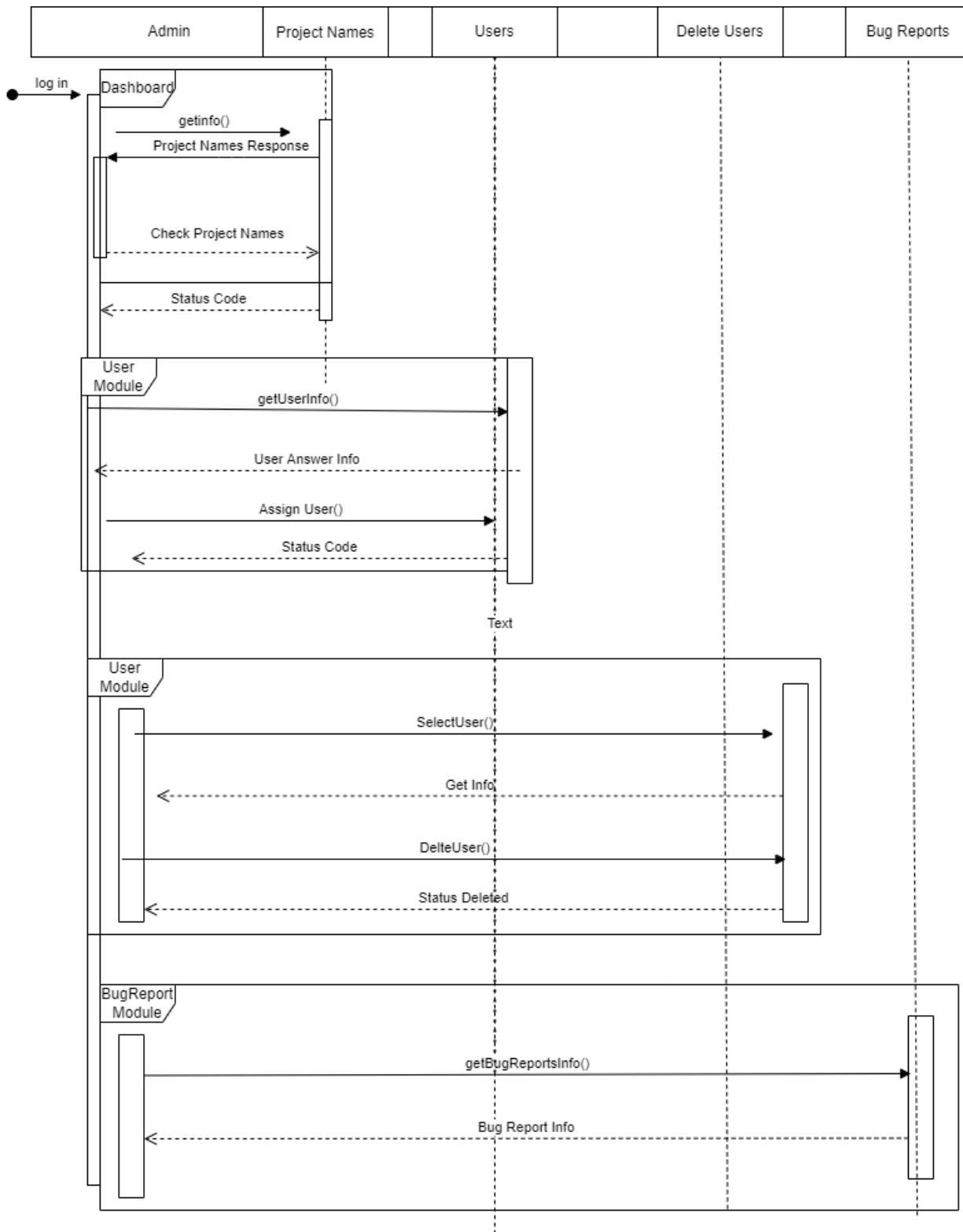


### *Psi Requirements Specification*

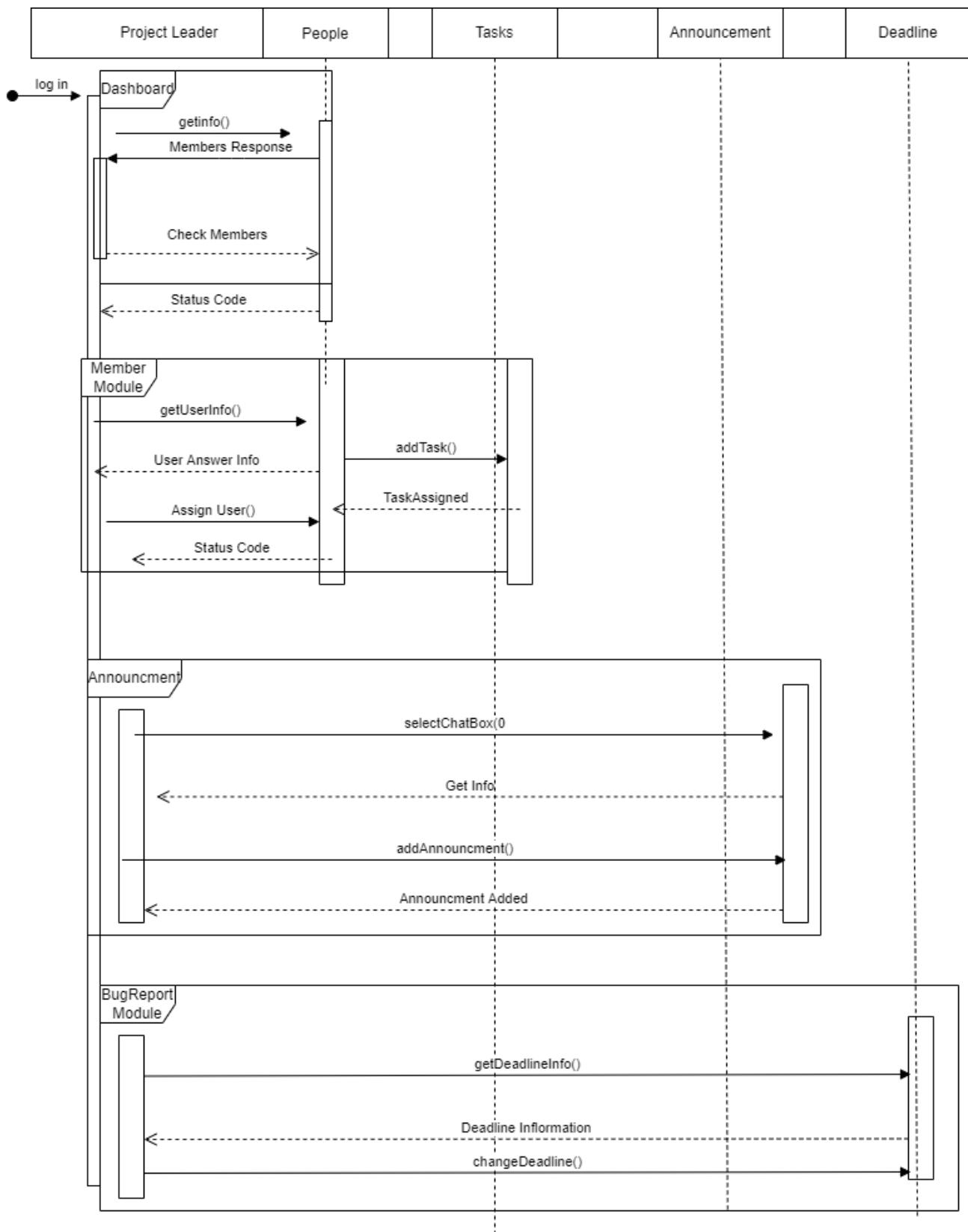
#### 4.3.4- Sequence Diagrams



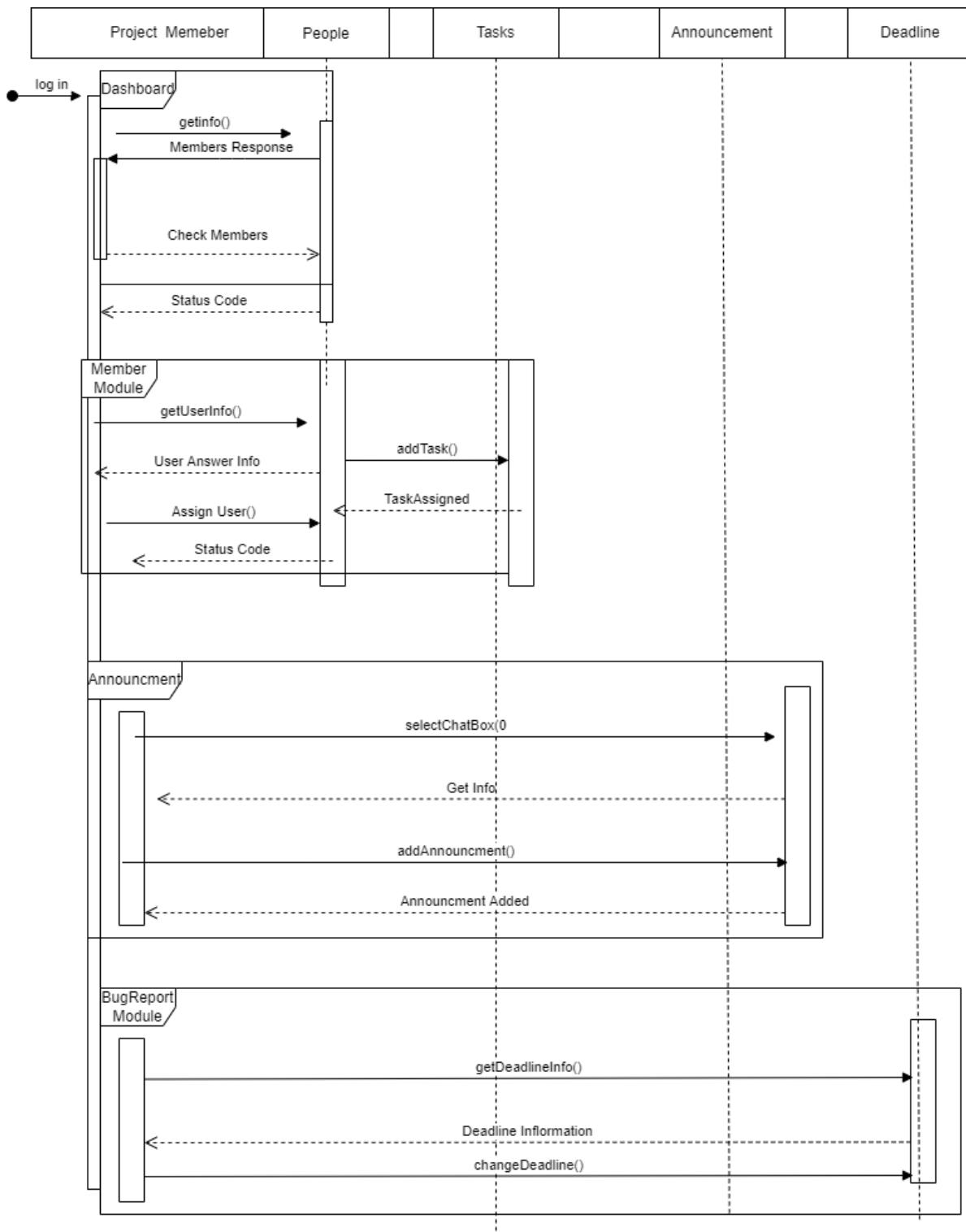
## Psi Requirements Specification



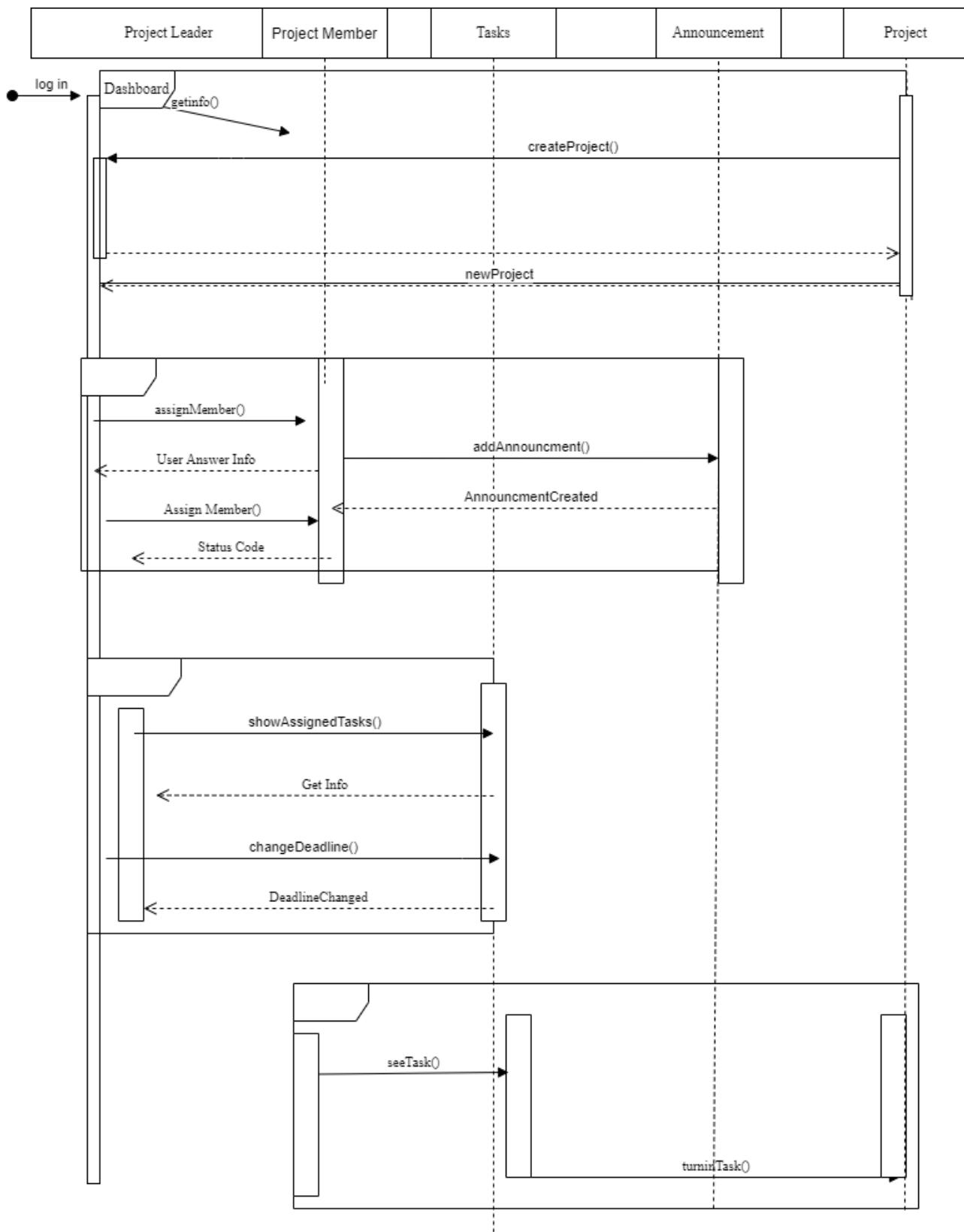
## Psi Requirements Specification



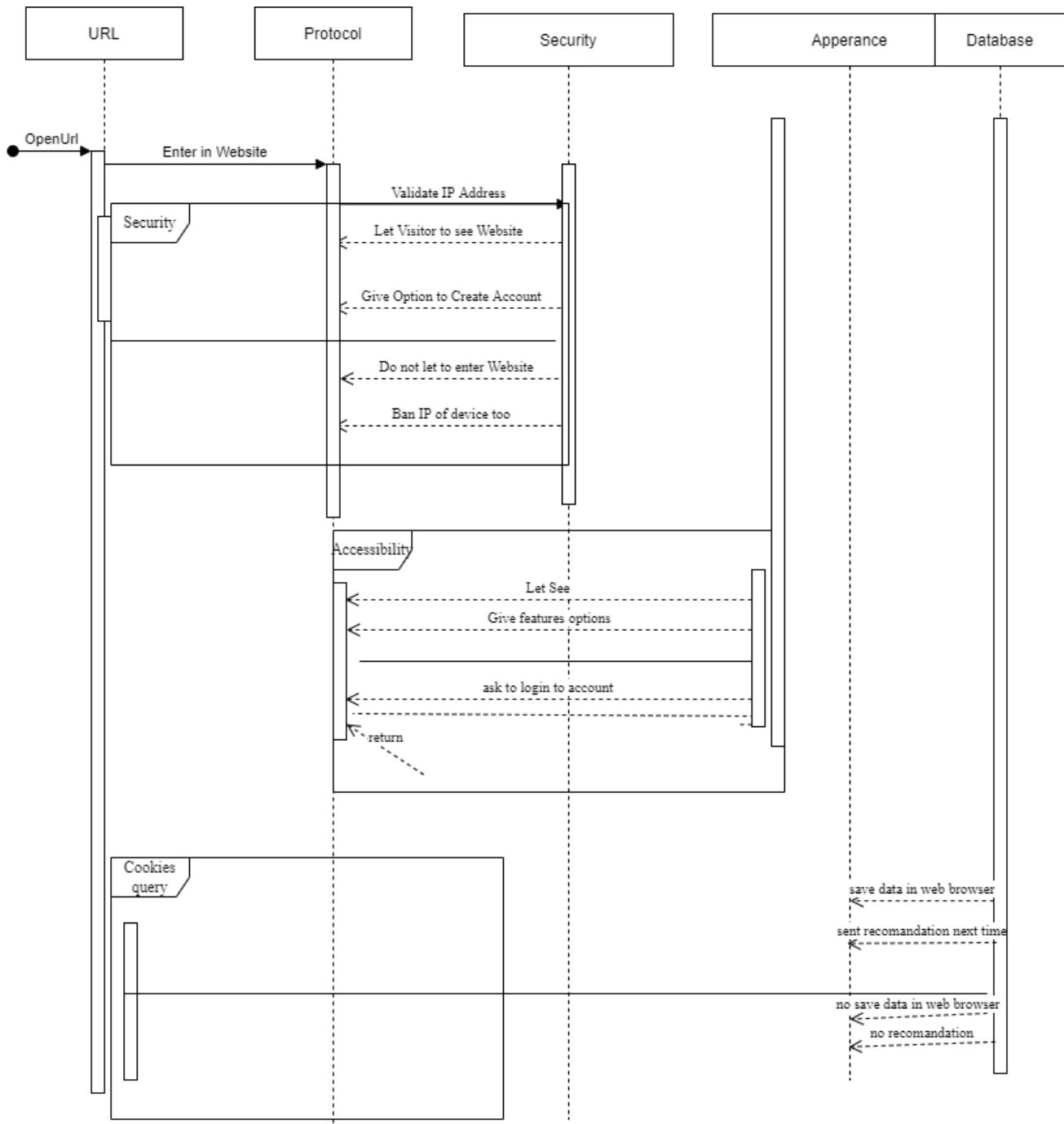
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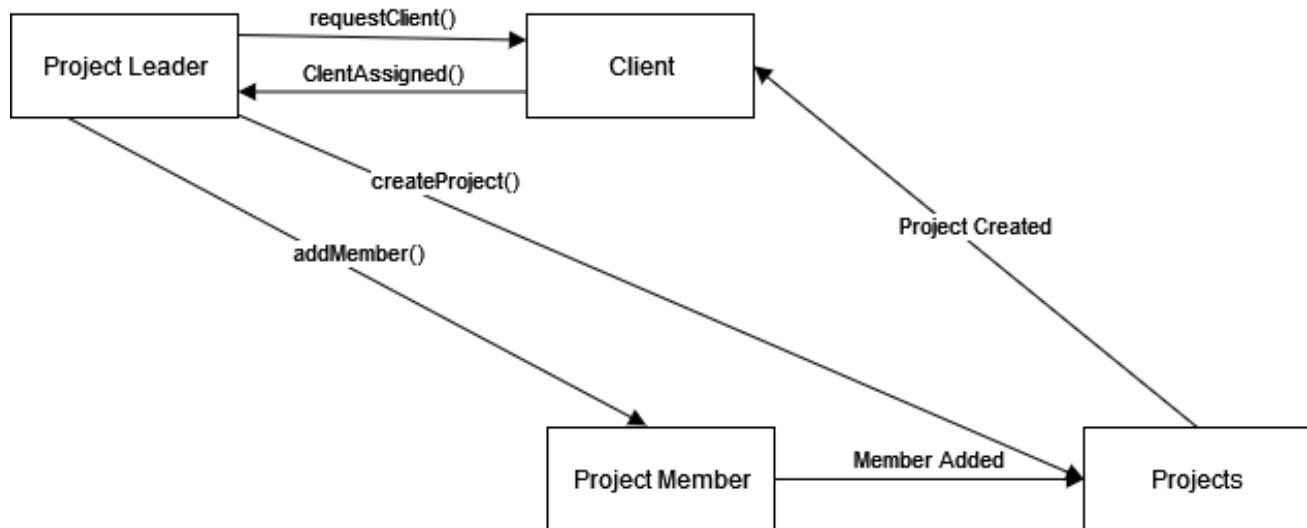
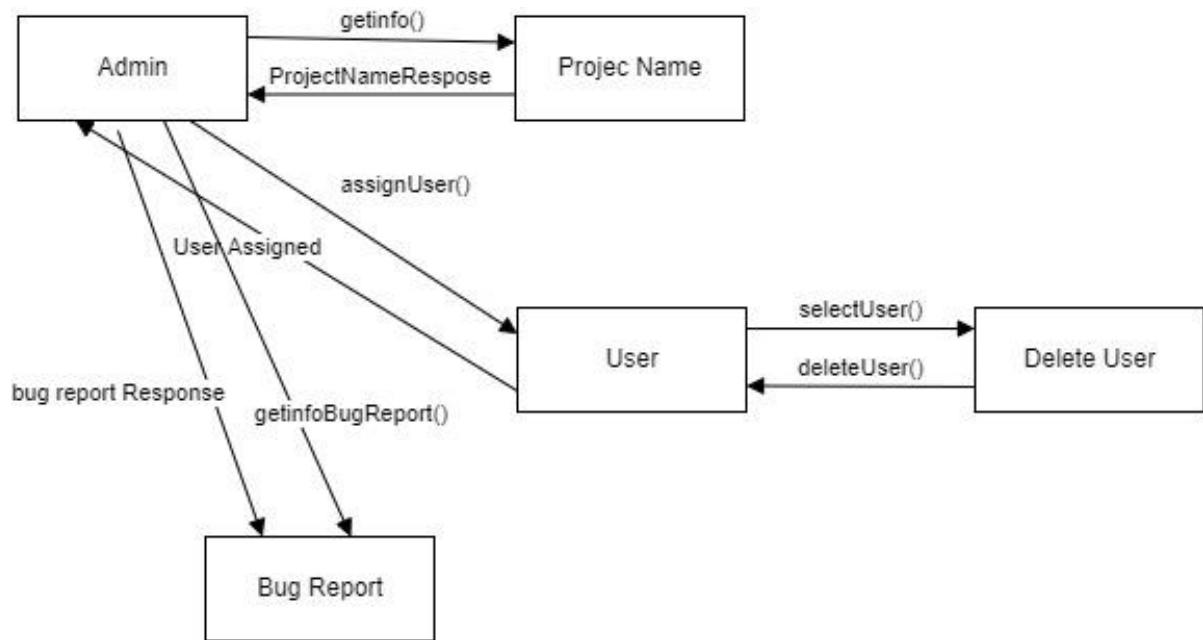
## Psi Requirements Specification



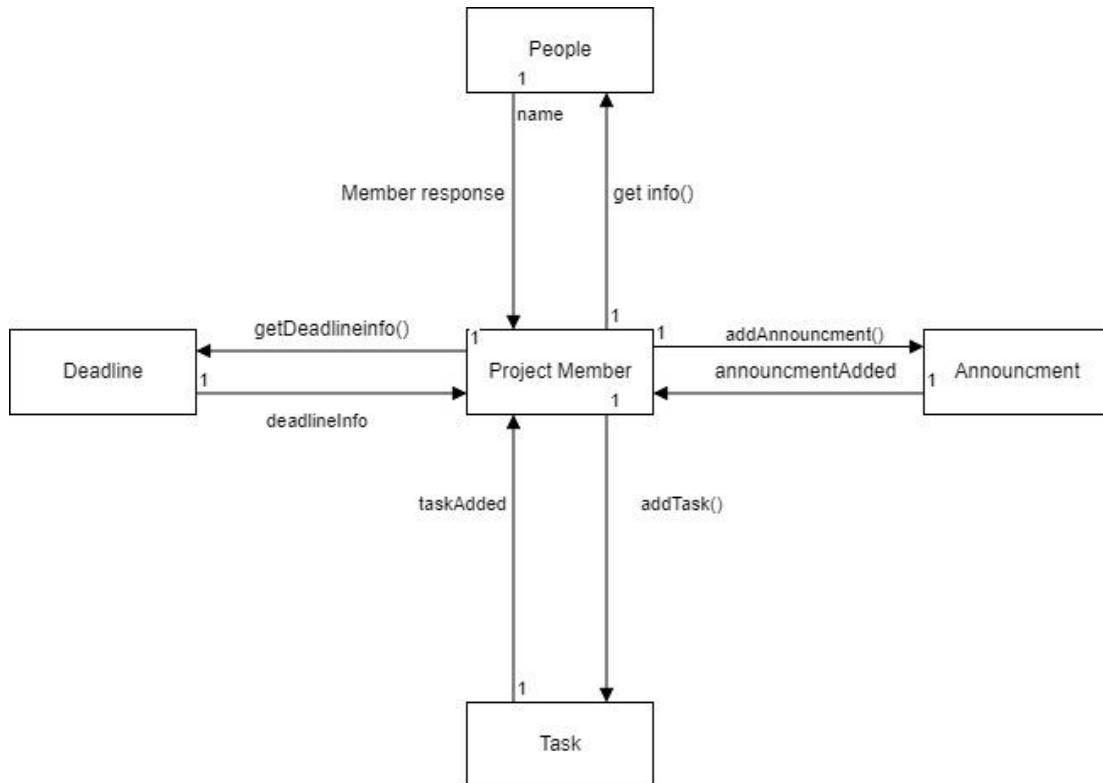
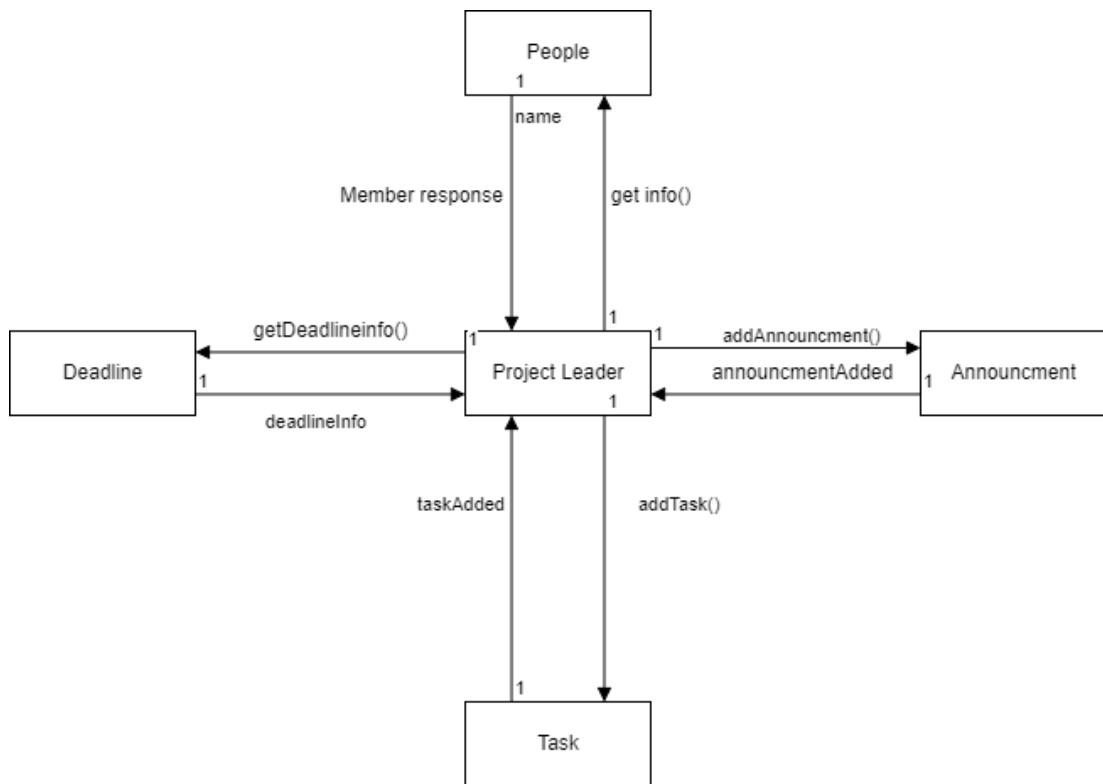
## Psi Requirements Specification



#### 4.3.5-Collaboration Diagrams

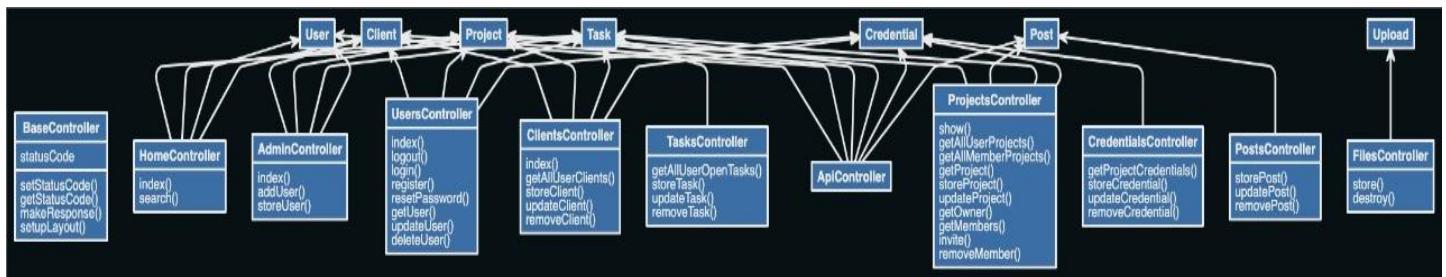


## Psi Requirements Specification

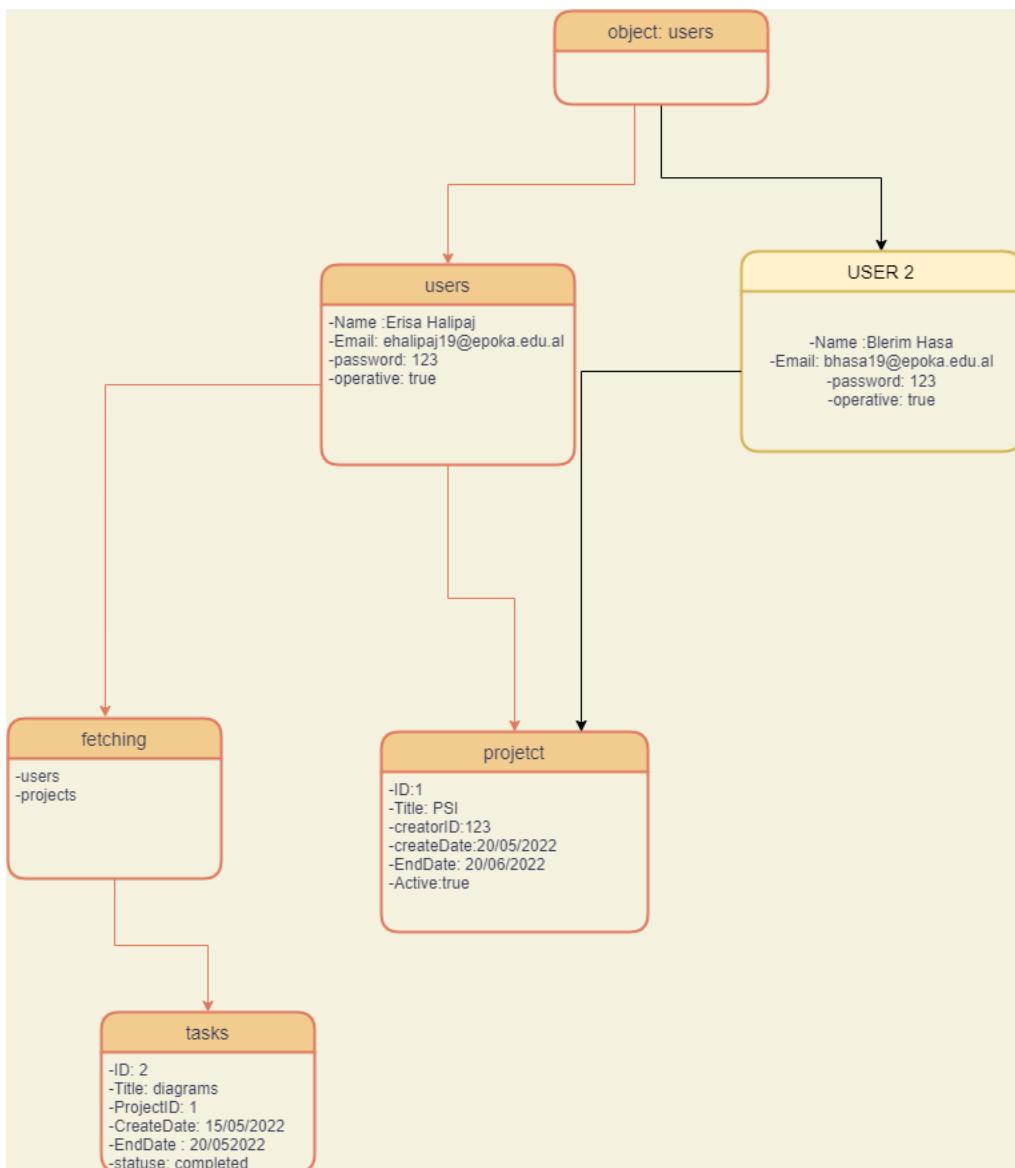


## Psi Requirements Specification

### 4.3.6-Class Diagram

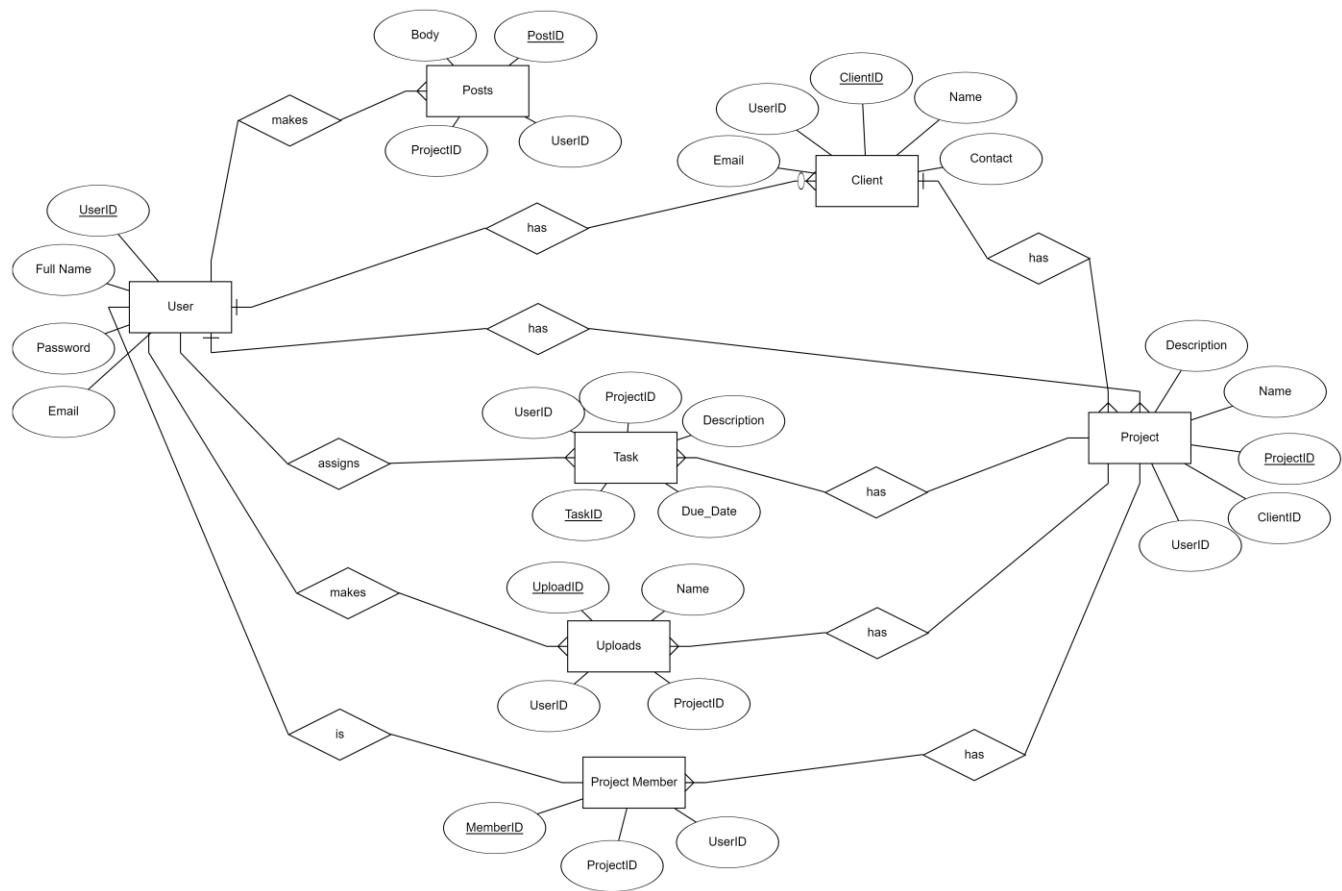


### 4.3.7-Object Diagrams

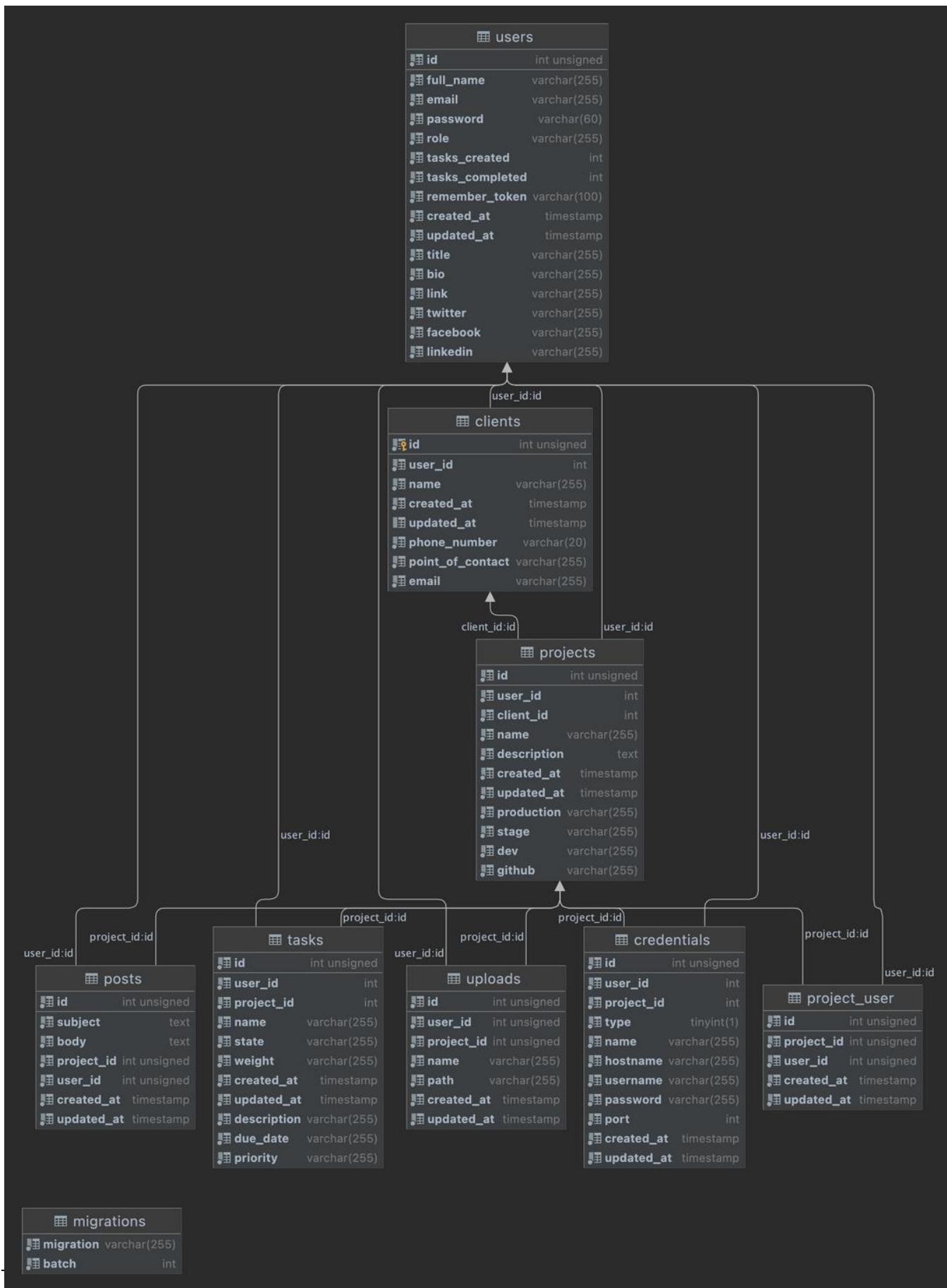


## ***Psi Requirements Specification***

### 4.3.8-Entity Relationship Diagram and DB Schema

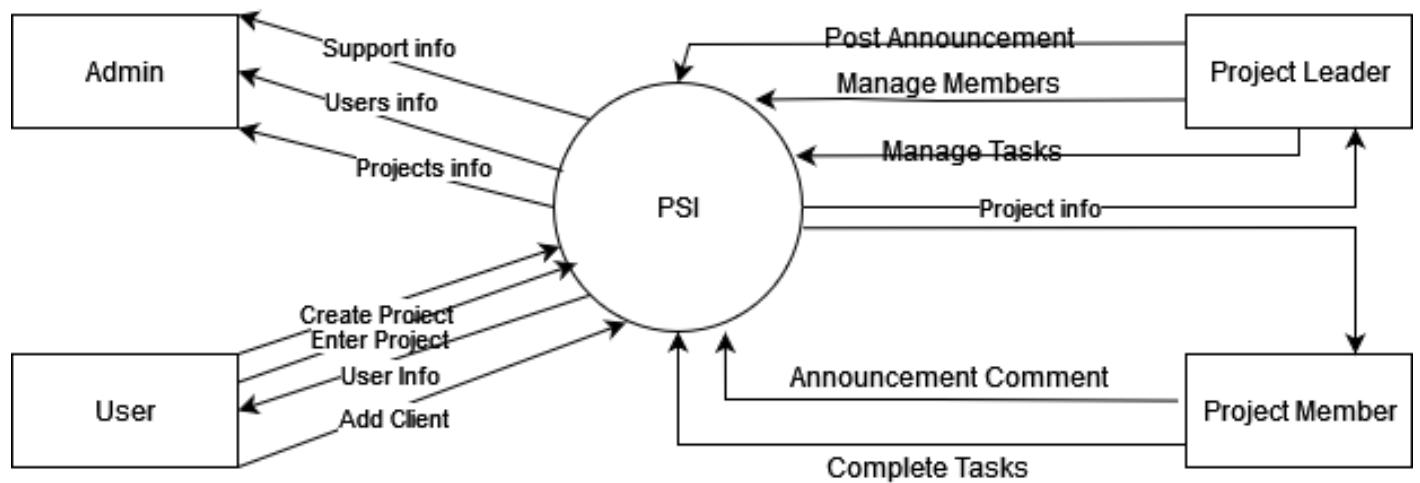


## Psi Requirements Specification



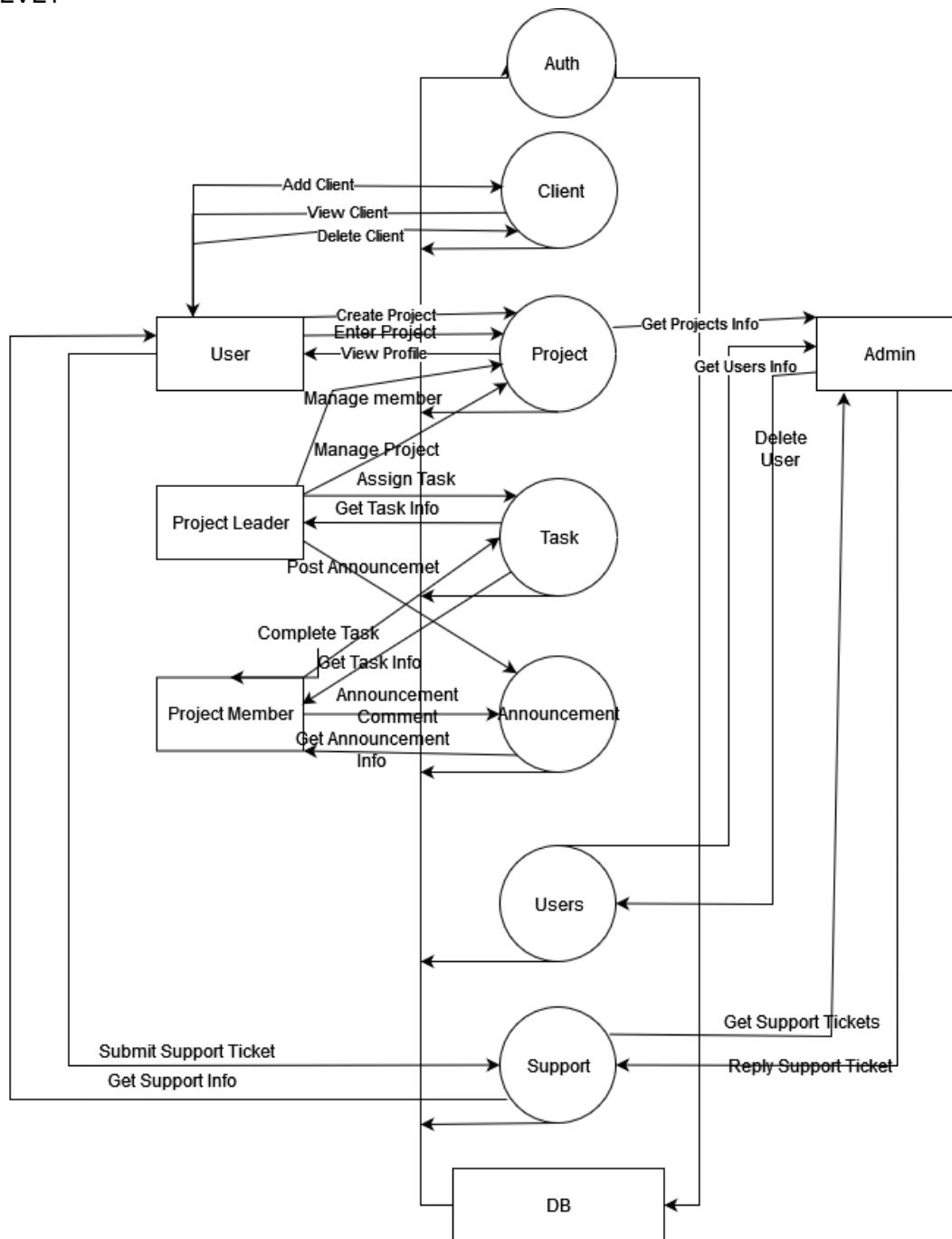
#### 4.2.9-Data Flow Diagram DFD

LVL0-



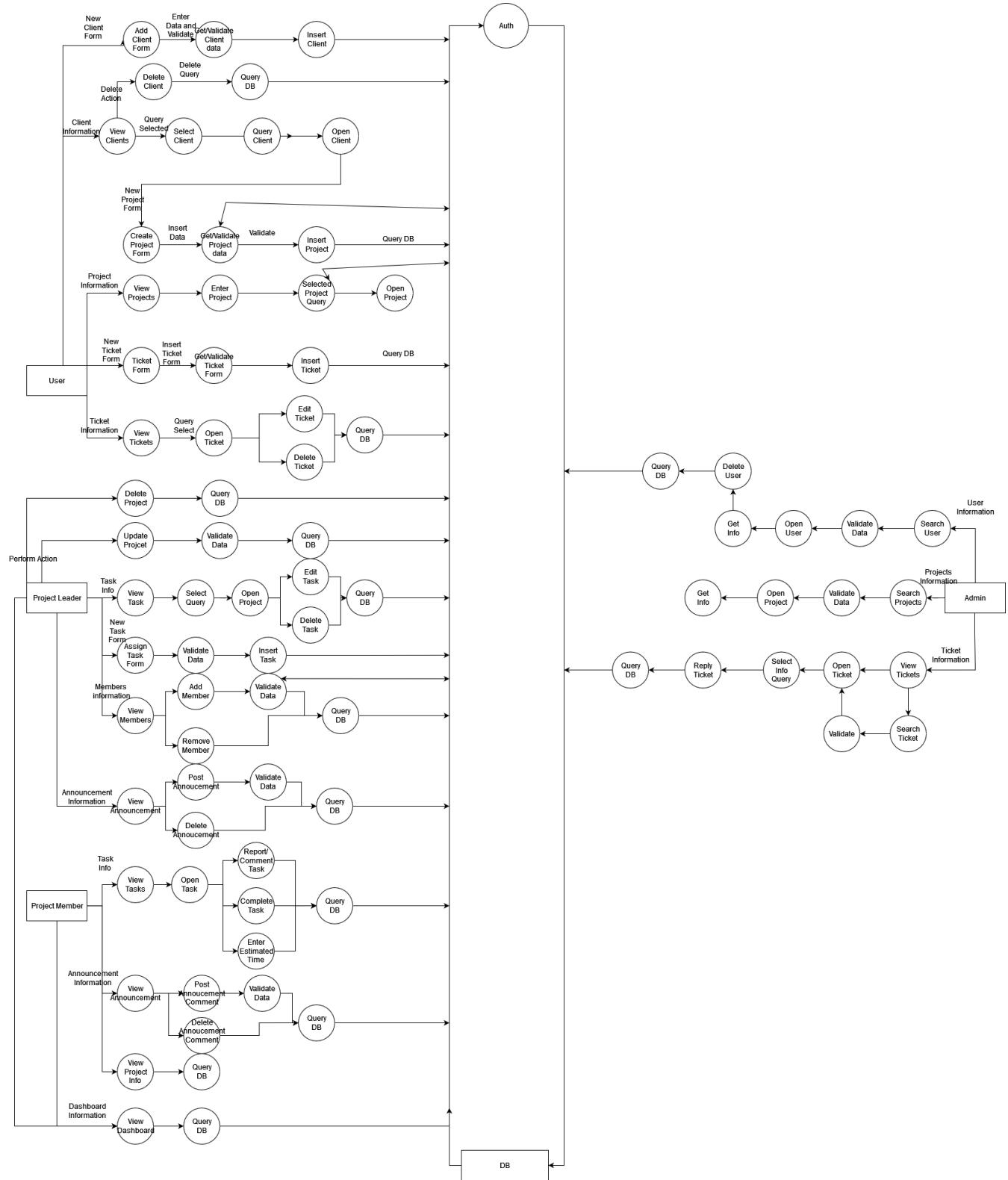
## Psi Requirements Specification

LVL1-



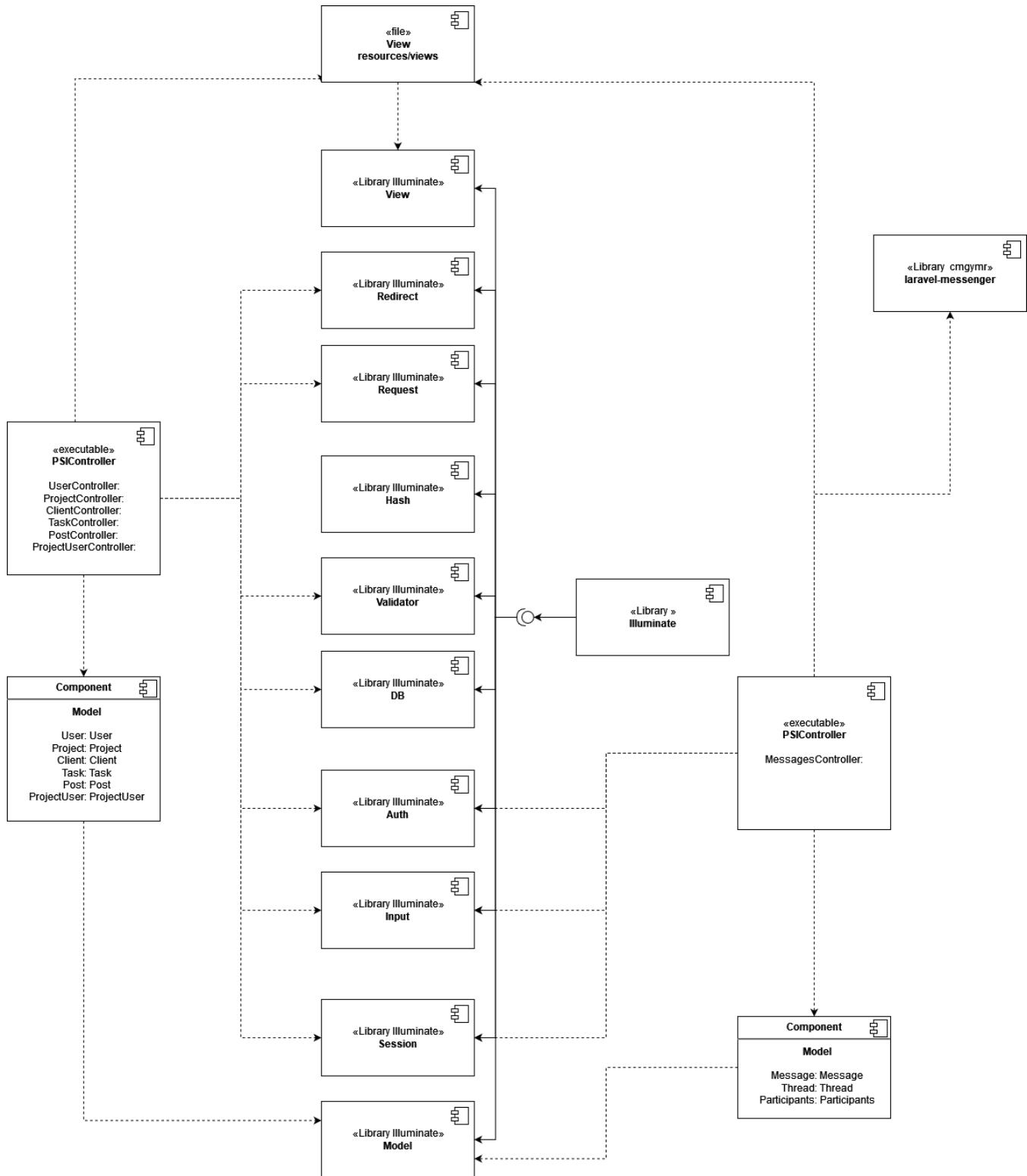
## Psi Requirements Specification

LVL2-



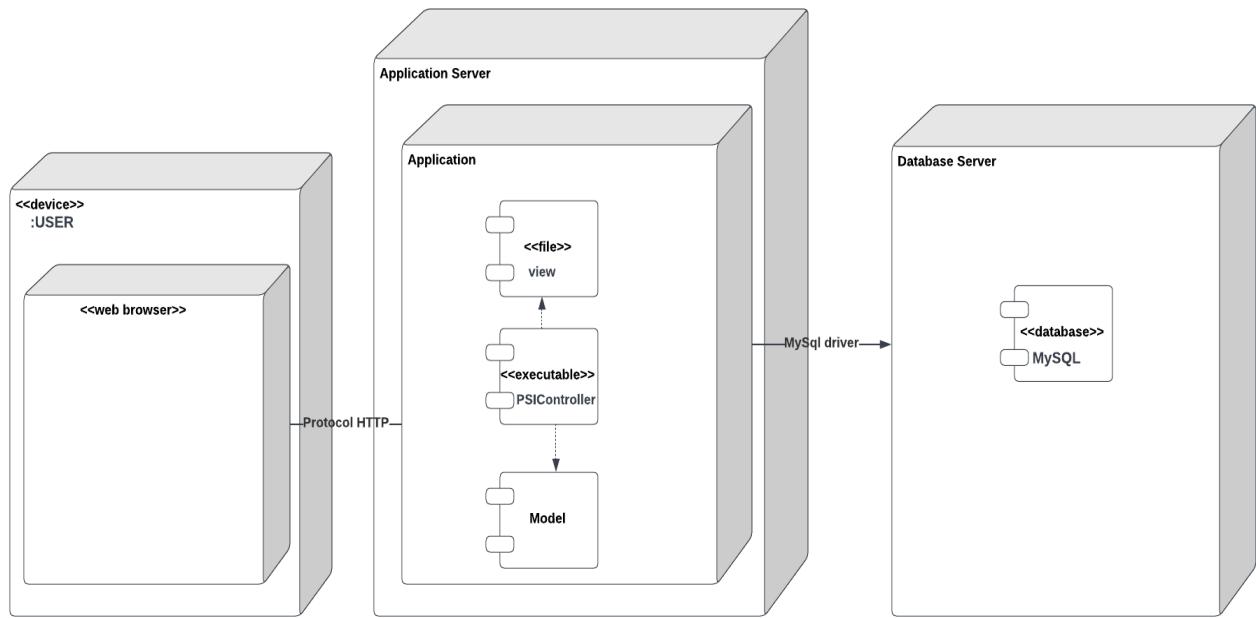
## Psi Requirements Specification

### 4.2.10-Component Diagram

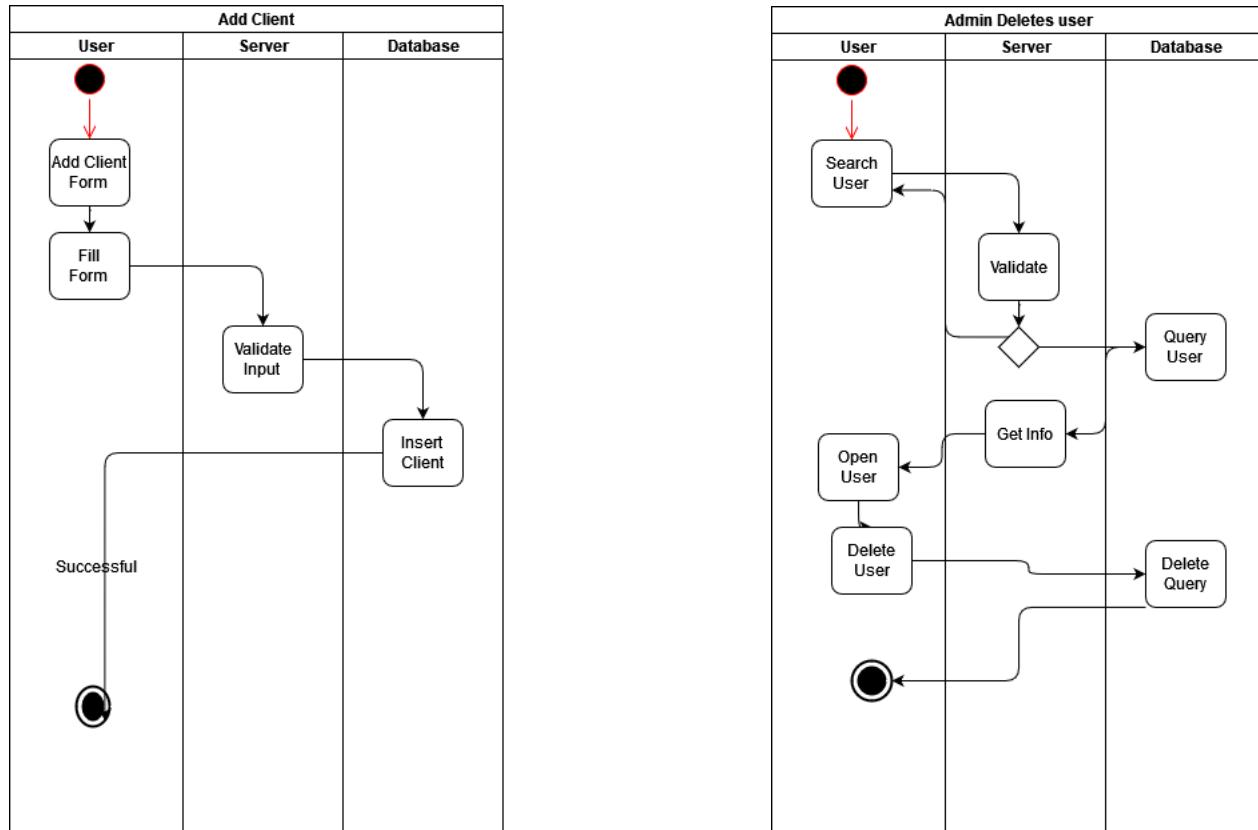


## *Psi Requirements Specification*

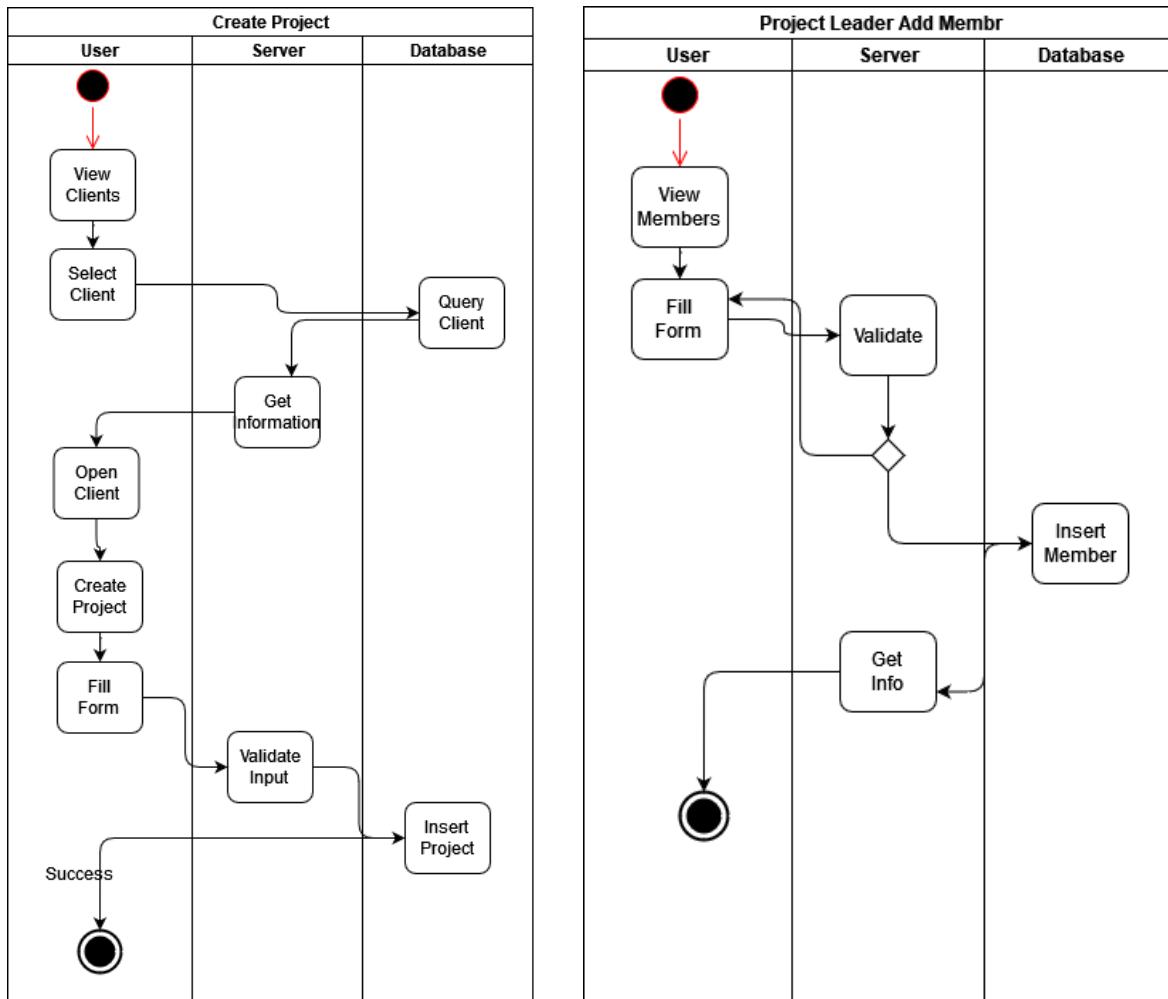
### 4.2.11-Deployment Diagram

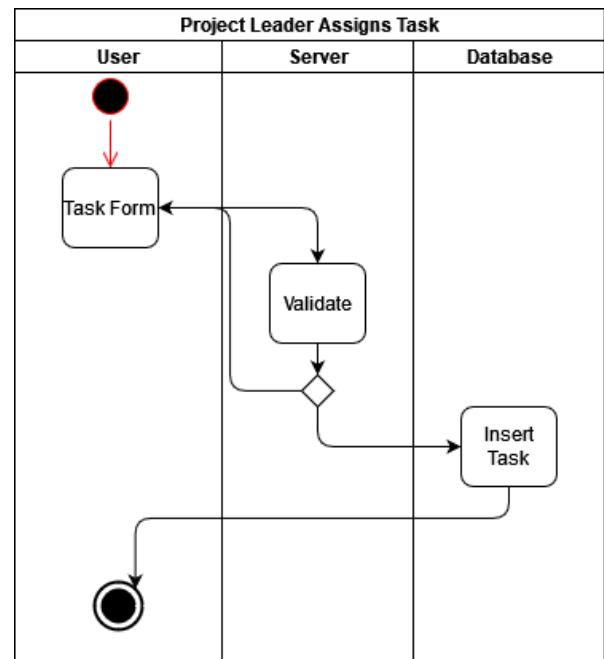
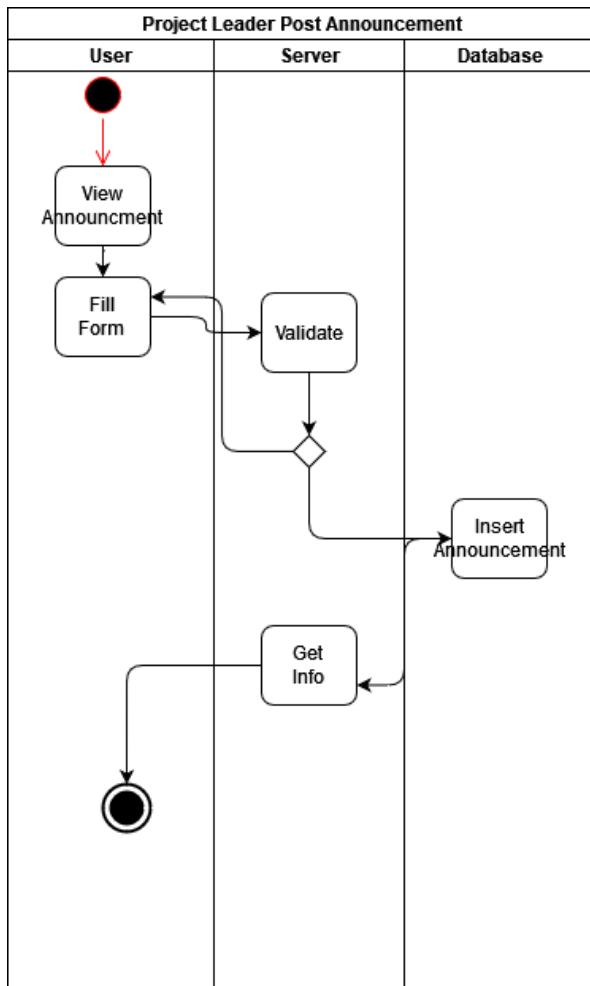


### 4.2.12- Swimlane

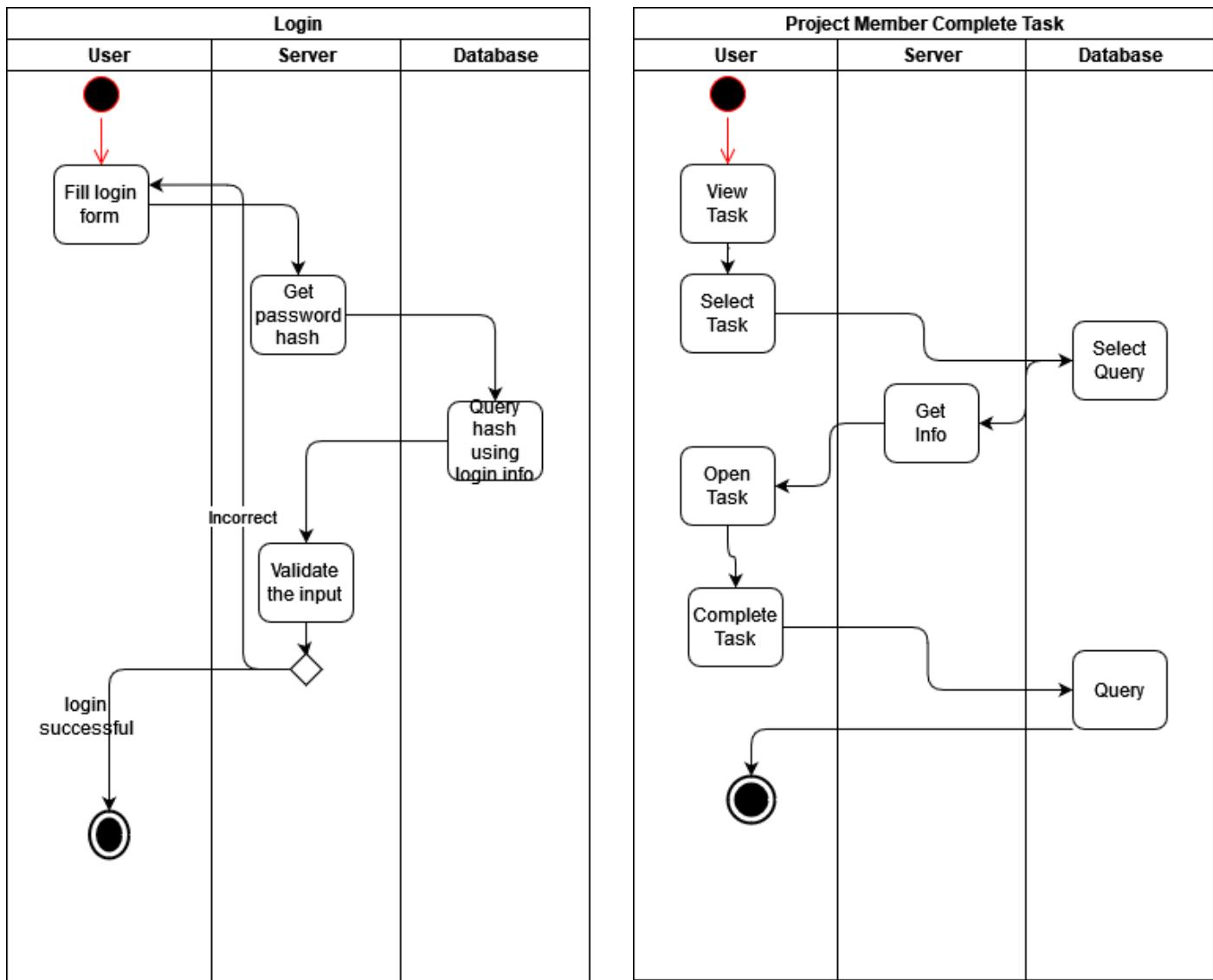


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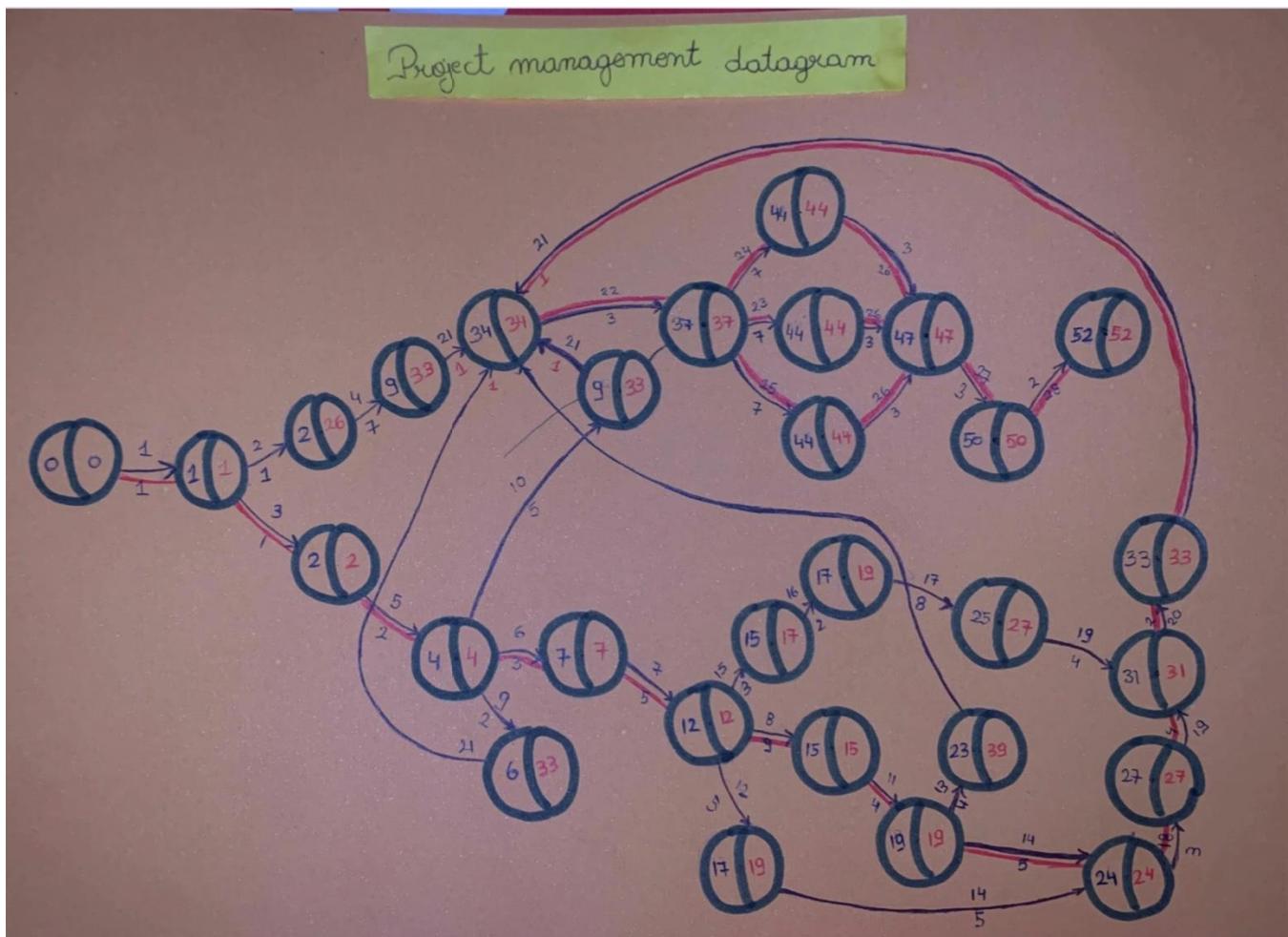
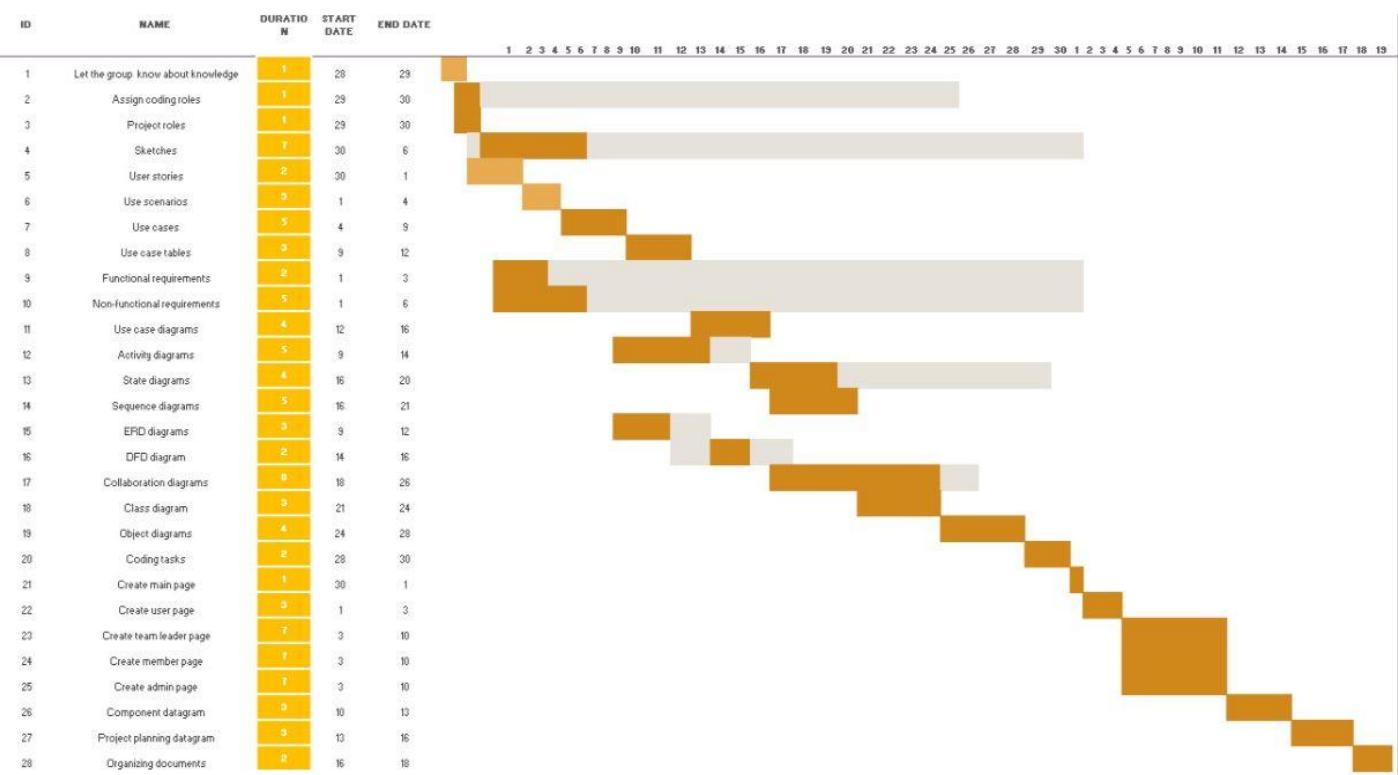


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### 4.2.13) Project Planning

<b>Activity number</b>	<b>Activity name</b>	<b>Dependences</b>	<b>Duration</b>	<b>Pessimistic time</b>	<b>Optimistic time</b>
1	Let the group know about knowledge	-	1	2	1
2	Assign coding roles	1	1	2	1
3	Project roles	1	1	2	1
4	Sketches	2	7	10	6
5	User stories	3	2	4	2
6	Use scenarios	5	3	4	2
7	Use cases	6	5	7	4
8	Use case tables	7	3	4	2
9	Functional requirements	5	2	3	1
10	Non-functional requirements	5	5	6	4
11	Use case diagrams	8	4	5	3
12	Activity diagrams	7	5	7	3
13	State diagrams	11	4	5	3
14	Sequence diagrams	11,12	5	6	4
15	ERD diagrams	7	3	4	2
16	DFD diagram	15	2	3	1
17	Collaboration diagrams	16	8	10	6
18	Class diagram	14	3	4	2
19	Object diagrams	17,18	4	5	3
20	Coding tasks	19	2	3	1
21	Create main page	4,9,10,13,20	1	2	1
22	Create user page	21	3	4	2
23	Create team leader page	22	7	9	5
24	Create member page	22	7	9	5
25	Create admin page	22	7	9	5
26	Component datagram	23,24,25	3	4	2
27	Project planning datagram	26	3	4	1
28	Organizing documents	27	2	3	1

## Psi Requirements Specification



## Appendix A- Prototypes

The screenshot shows the homepage of the PSI Project Management System. At the top right are 'Register' and 'Login' buttons. The main header reads 'Welcome to PSI' with the subtitle 'The Project Management System'. Below the header is a 'SIGN UP NOW' button. The background features abstract blue and white shapes, including a gear icon. The main content area is divided into four sections: 'Members' (with a people icon), 'Projects' (with a folder icon), 'Tasks' (with a clipboard icon), and 'Announcements' (with a speech bubble icon). Each section contains a brief description. At the bottom, a dark footer bar displays 'Current Version 0.1 | Go To Project'.

**Members**  
Manage projects including several members using PSI. Add information about each member such as name, surname , email , position , phone number.

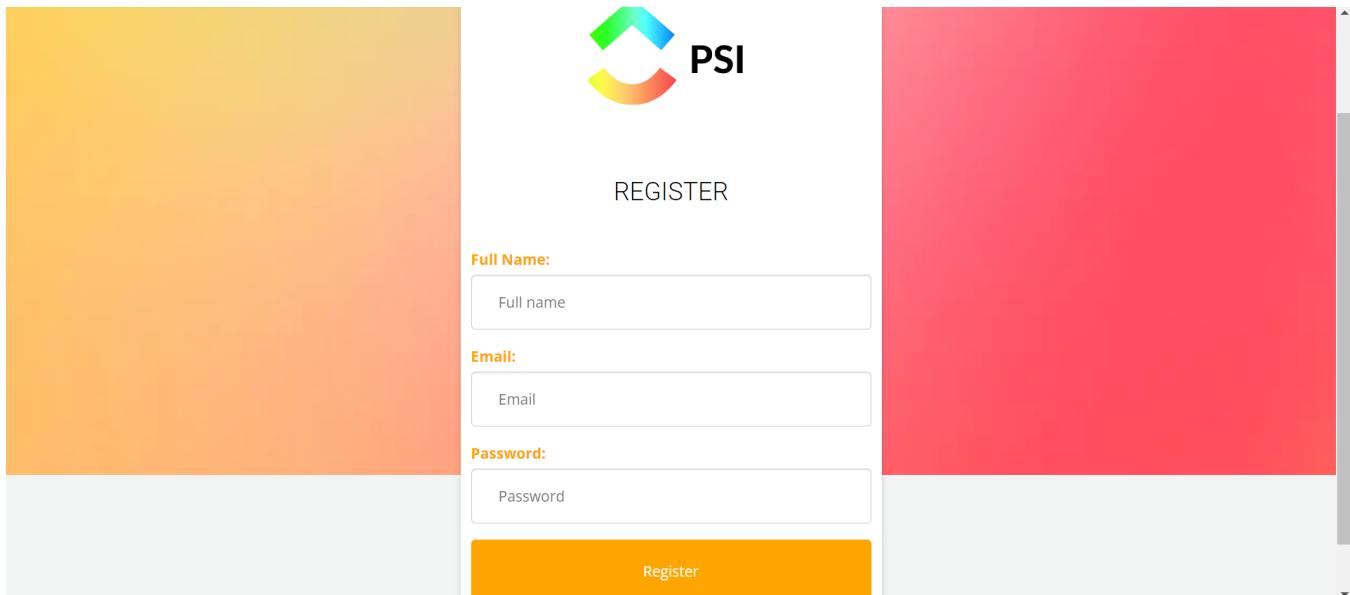
**Projects**  
PSI allows you to create projects, manage and store project information, as it allows easy management and tracking of several projects.

**Tasks**  
After creating a project , the project leader will assign tasks to members. The leader can also see the status of the task, updated by the member.

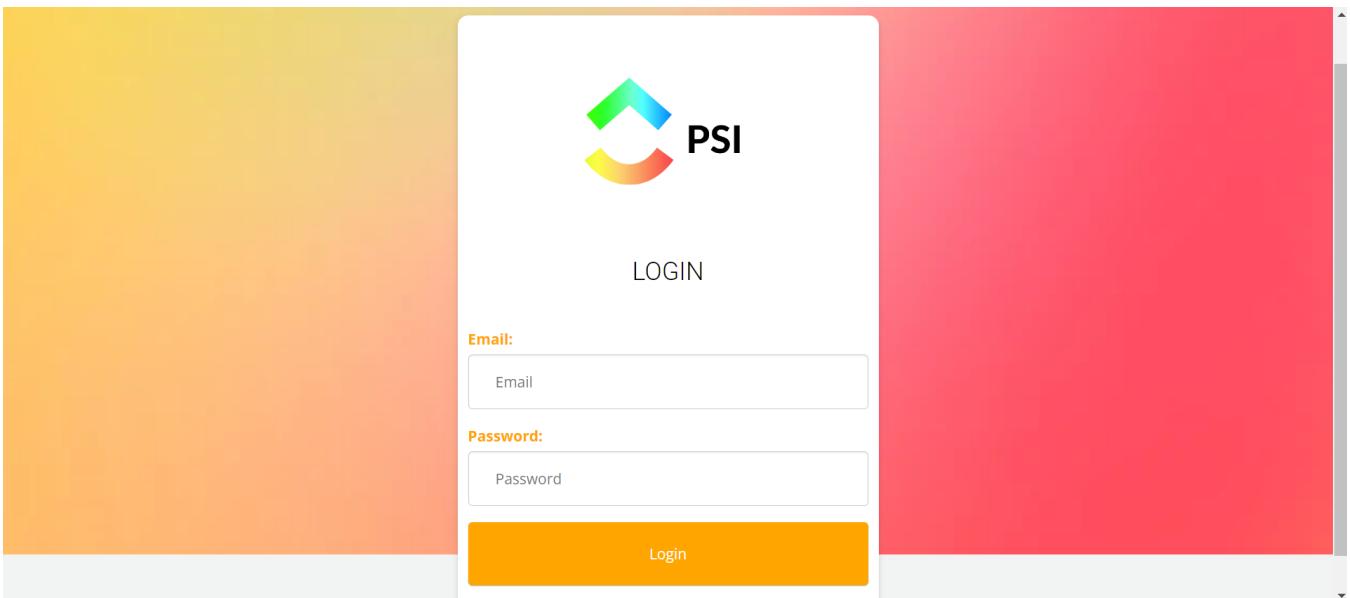
**Announcements**  
Announcements about different issues are post by project leaders only. Every team member is able to comment on the announcement.

Current Version 0.1 | [Go To Project](#)

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The registration form is set against a background gradient transitioning from yellow on the left to red on the right. At the top center is the PSI logo, which consists of three overlapping semi-circles in green, blue, and red, followed by the letters "PSI" in a bold, black, sans-serif font. Below the logo is the word "REGISTER" in a smaller, black, sans-serif font. The form itself has a white header and a light gray body. It contains three input fields: "Full Name:" with placeholder "Full name", "Email:" with placeholder "Email", and "Password:" with placeholder "Password". A large orange button at the bottom right is labeled "Register".



The login form is set against a background gradient transitioning from yellow on the left to red on the right. At the top center is the PSI logo, which consists of three overlapping semi-circles in green, blue, and red, followed by the letters "PSI" in a bold, black, sans-serif font. Below the logo is the word "LOGIN" in a smaller, black, sans-serif font. The form itself has a white header and a light gray body. It contains two input fields: "Email:" with placeholder "Email" and "Password:" with placeholder "Password". A large orange button at the bottom right is labeled "Login".

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The screenshot shows the Psi application's Settings page. The left sidebar has a dark blue background with white text, showing the user 'kela' and navigation links: Home, Clients, Settings (which is highlighted), and Logout. Below these are copyright and loading information. The main content area has a light gray header with the title 'Settings' and an orange 'Save Changes' button. On the left, there's a sidebar with 'kela' and 'kel@psi.com' at the top, followed by a 'BIO' section. The right side contains four form fields: 'Personal Info' (Full Name: kela, Email: kel@psi.com), 'Links' (Title: Title), and 'Account Settings' (Bio: A little about me..). A vertical scroll bar is visible on the right edge.

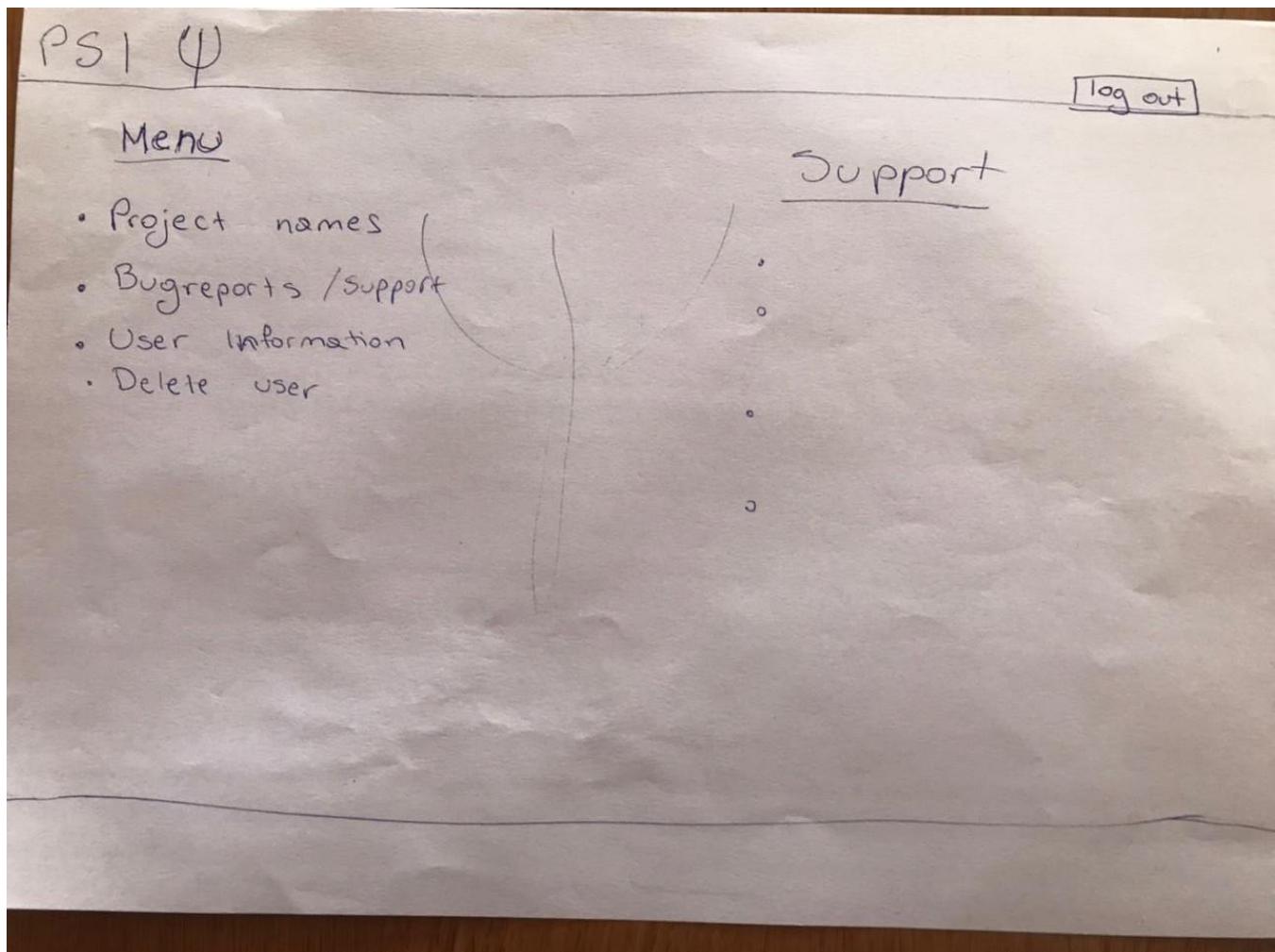
The screenshot shows the Psi application's Clients page. The left sidebar is identical to the Settings page, with 'Clients' being the active link. The main content area has a light gray header with the title 'Clients' and an orange '+ New Client' button. A yellow message bar at the top states: 'Your clients will be listed here once you create some. Create a new client now.' A vertical scroll bar is visible on the right edge.

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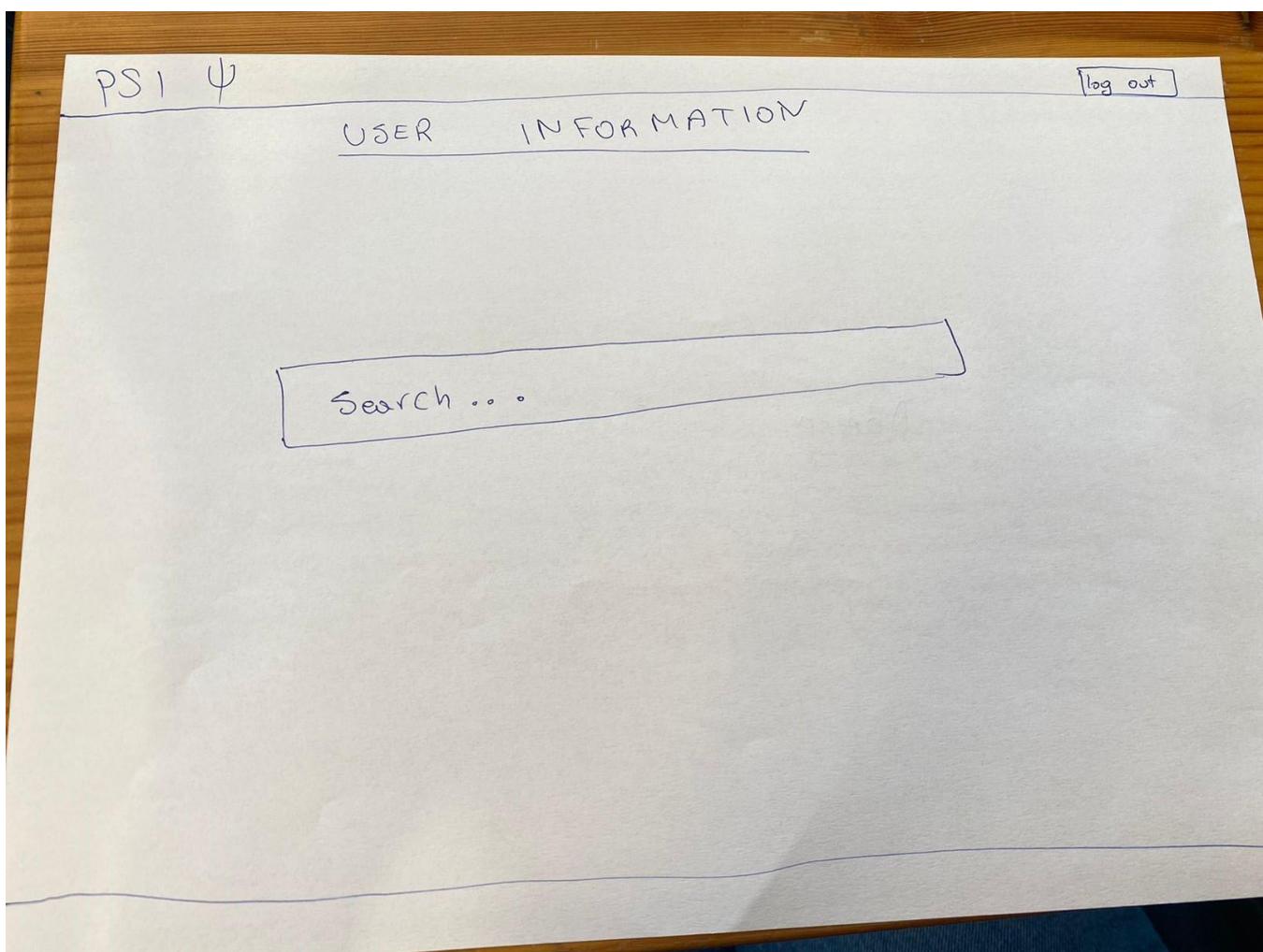
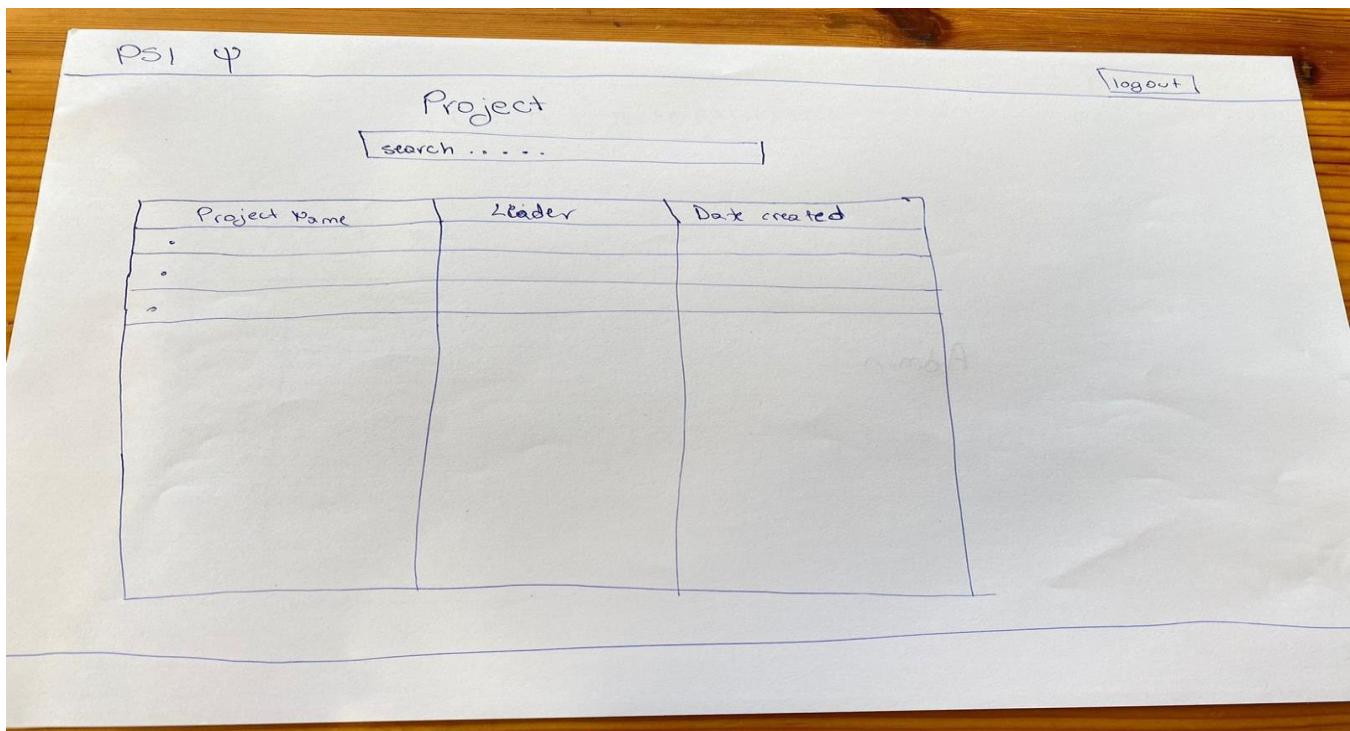
The screenshot shows the 'Clients' page of the Psi Requirements Specification application. On the left is a dark sidebar with a logo, 'Search' bar, and navigation links: 'Home', 'Clients' (which is selected), 'Settings', and 'Logout'. Below the sidebar is a copyright notice: 'COPYRIGHT 2022 © PSI'. The main content area has a title 'Clients' and a message: 'Your clients will be listed here once you create some. Create a new client now.' A yellow button '+ New Client' is at the top right. A modal window titled 'New Client' is open, containing four input fields: 'Client Name', 'Email', 'Point Of Contact', and 'Contact Number', with a 'Save' button at the bottom right.

The screenshot shows the 'Clients' page after a client has been added. The client 'kevin hoxhalli' is listed in the main content area. To the right of the client's name is a modal window titled 'New Client' with the same four input fields and 'Save' button. The client details are also displayed in the main content area: **Contact name:** kevin, **Contact number:** 076958376, and **Contact email:** khoxhalli@psi.com.

Appendix B – Sketches



## Psi Requirements Specification



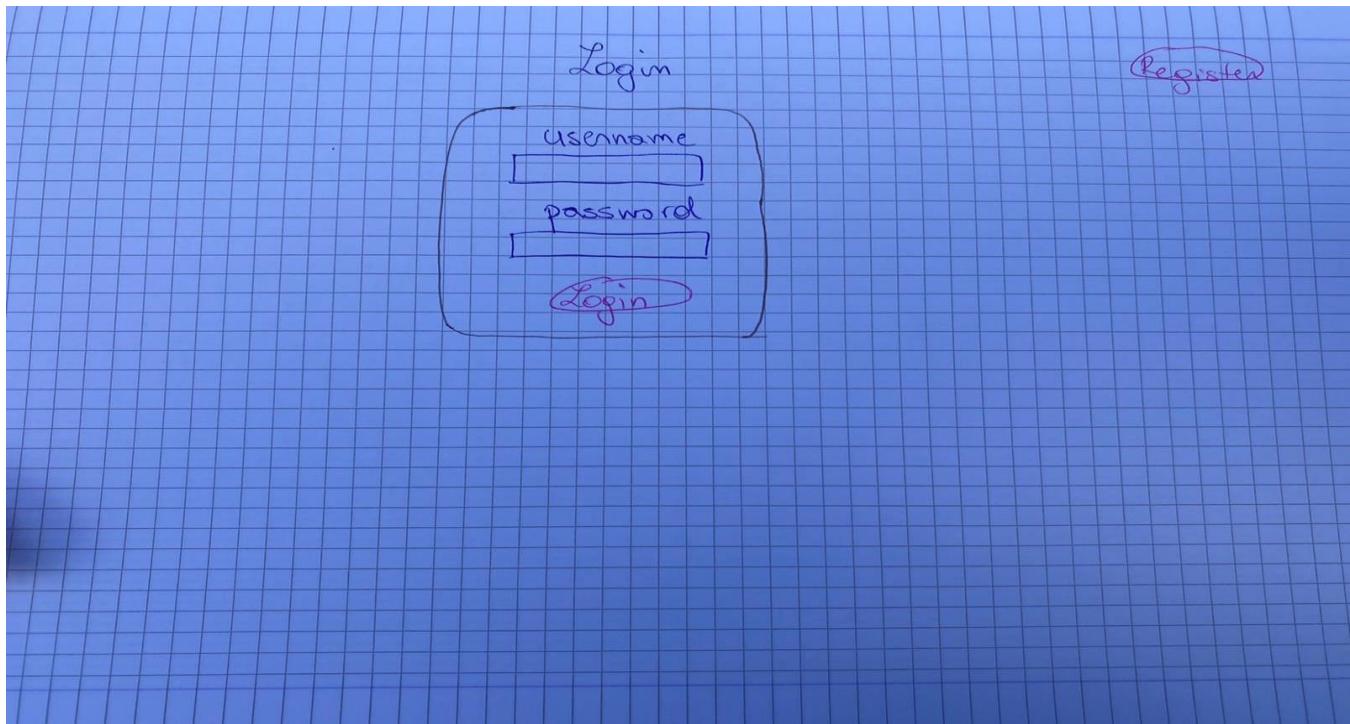
## Psi Requirements Specification

PSI 4  
← back

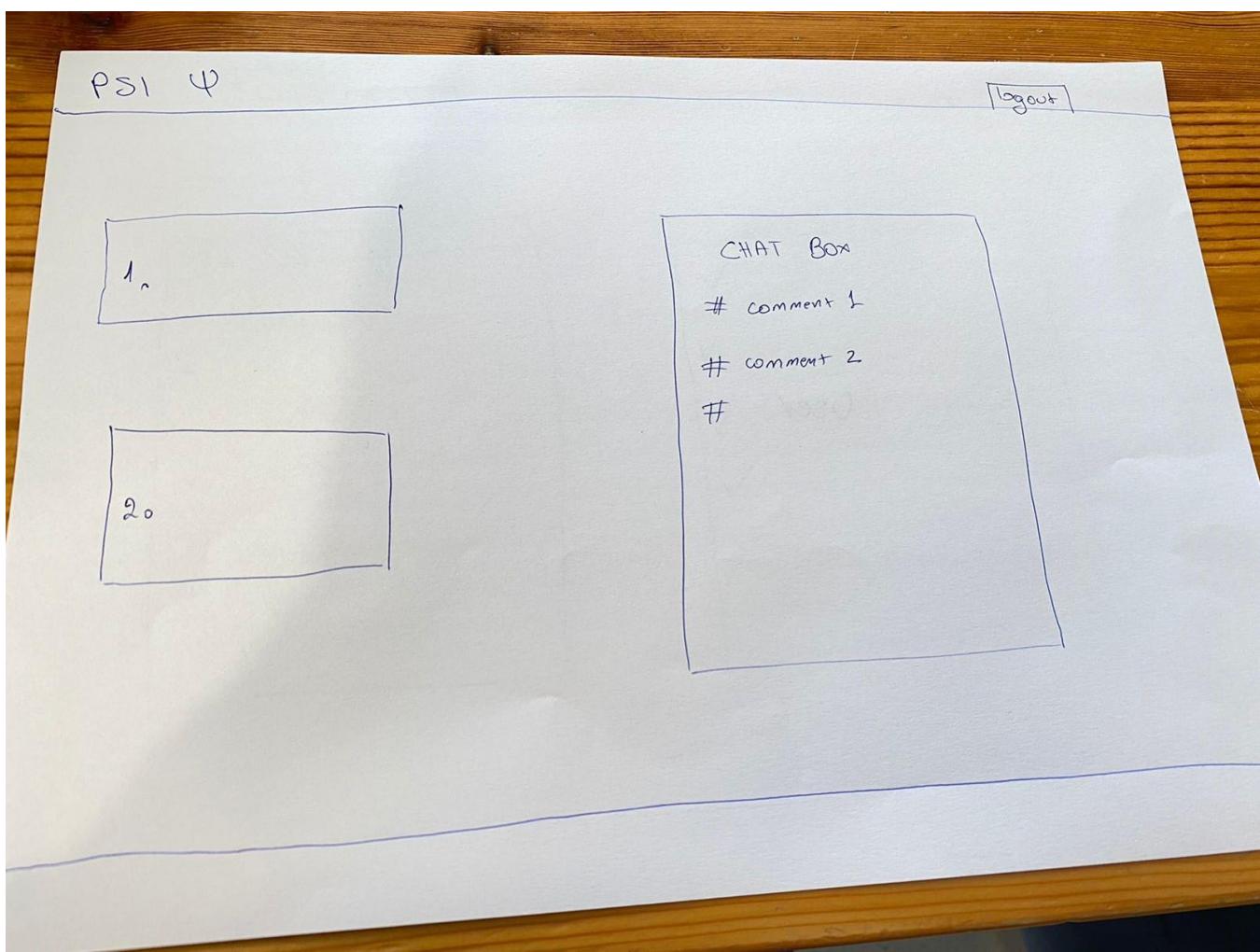
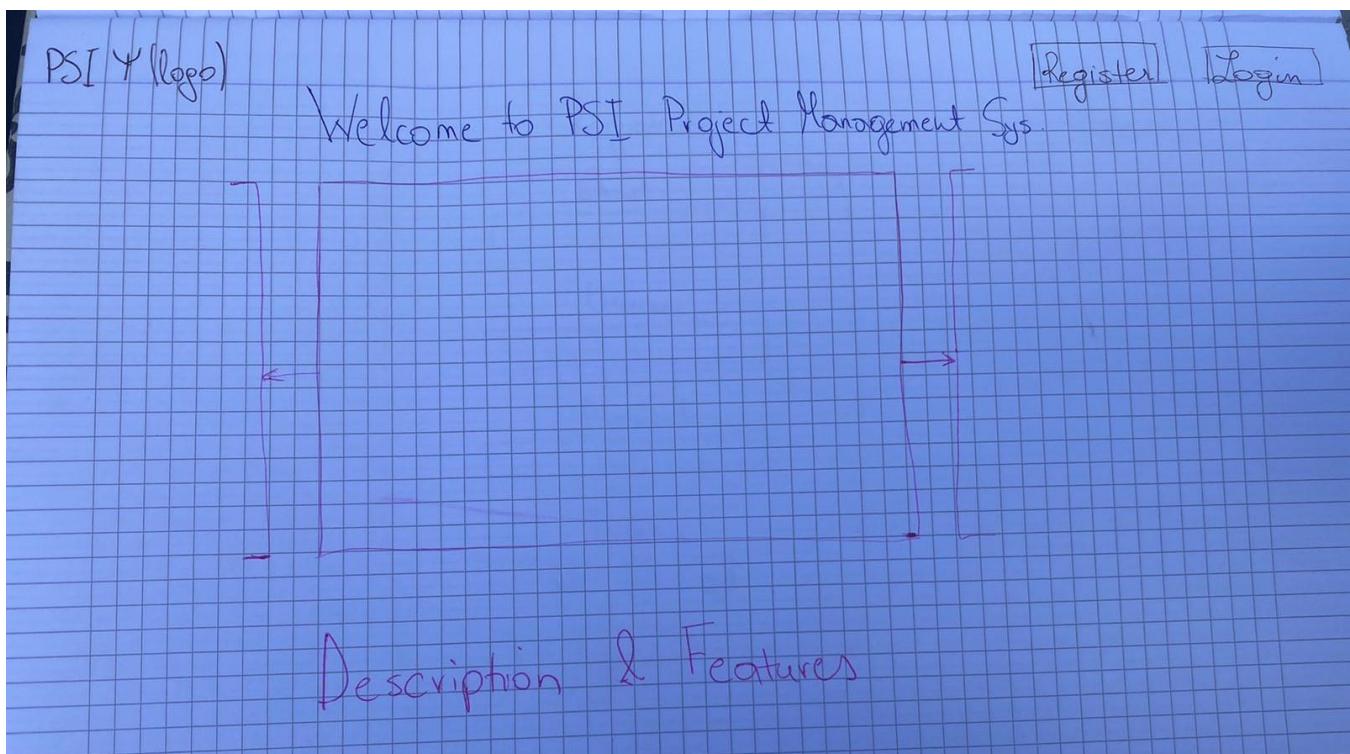
USER INFORMATION

User name	Name 1
email	
phone	
projects	
Delete	

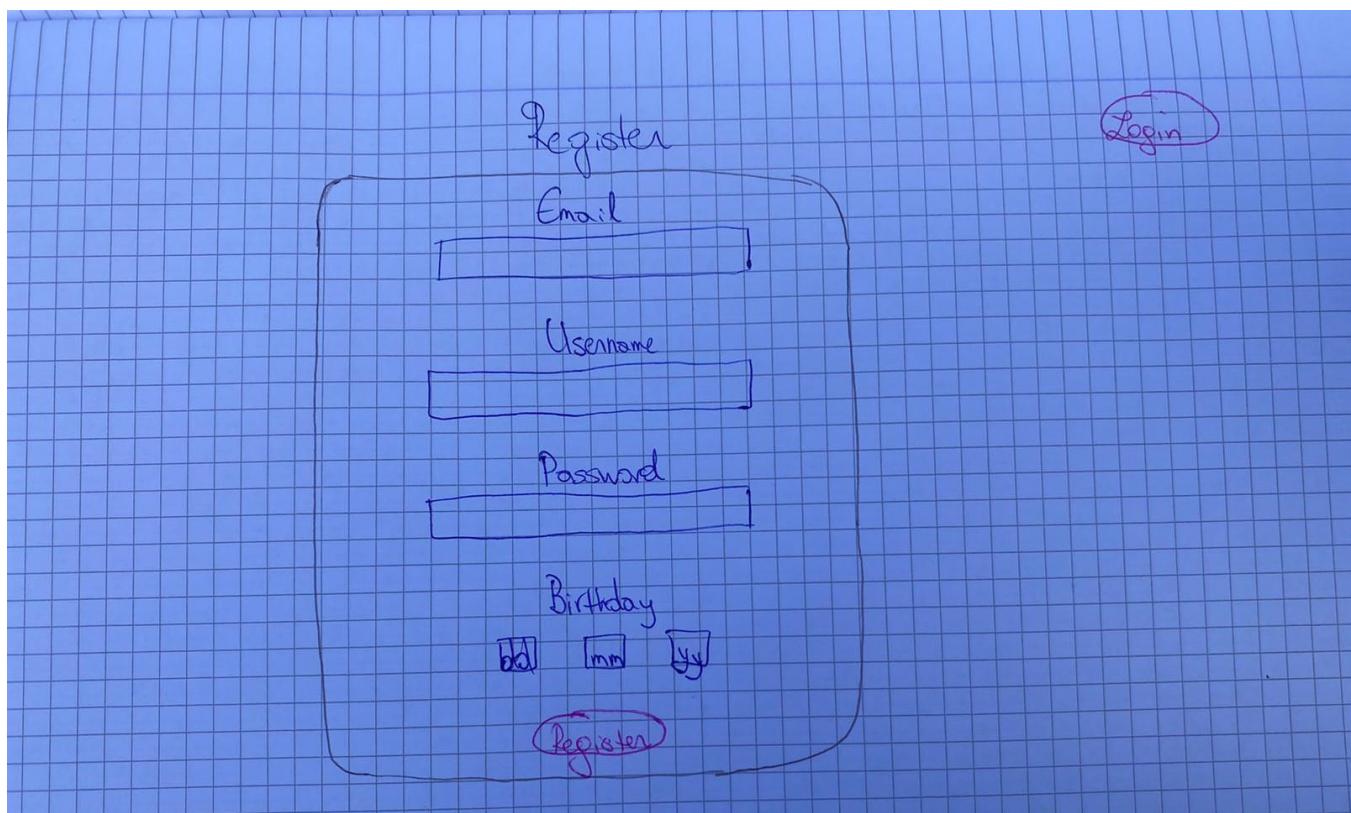
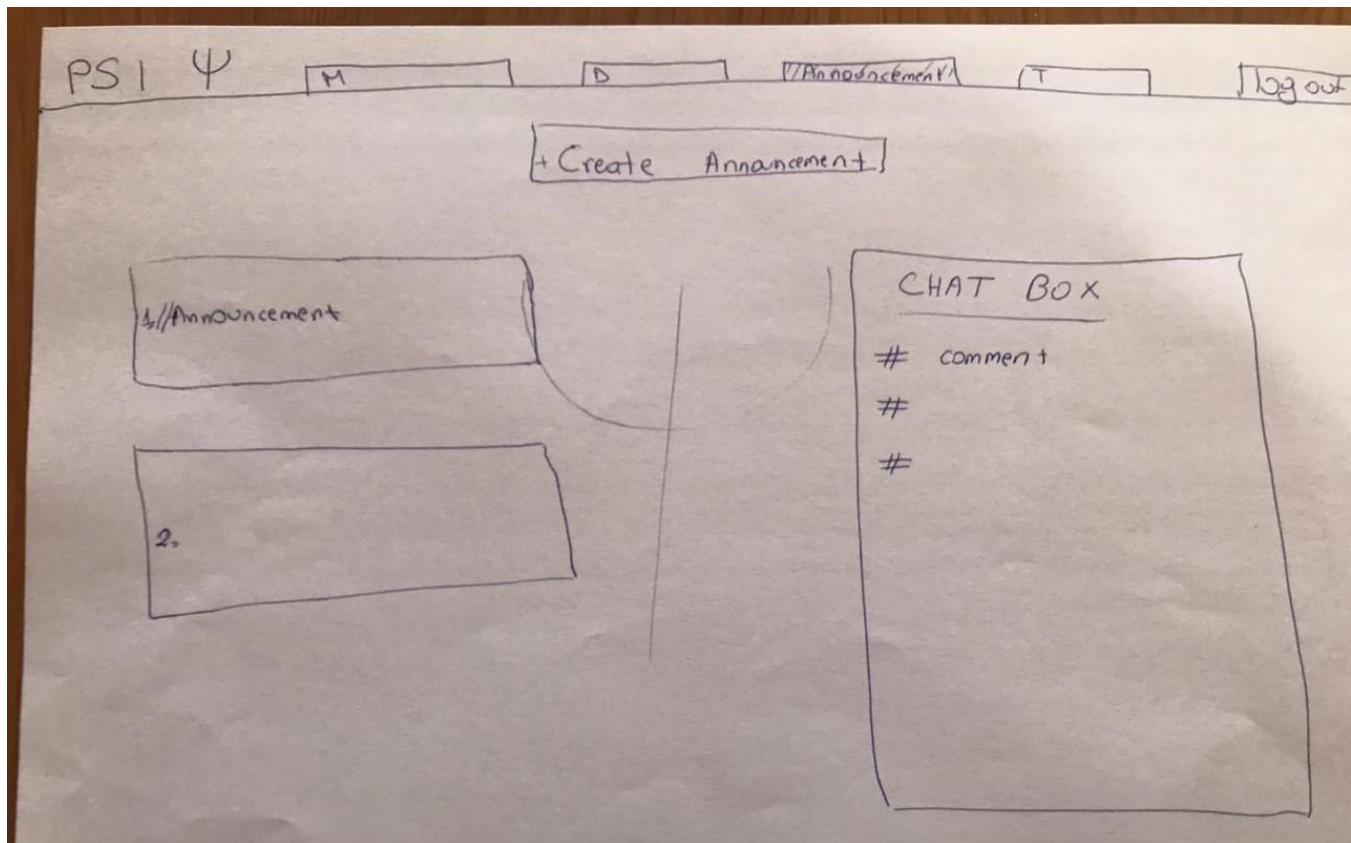
Logout



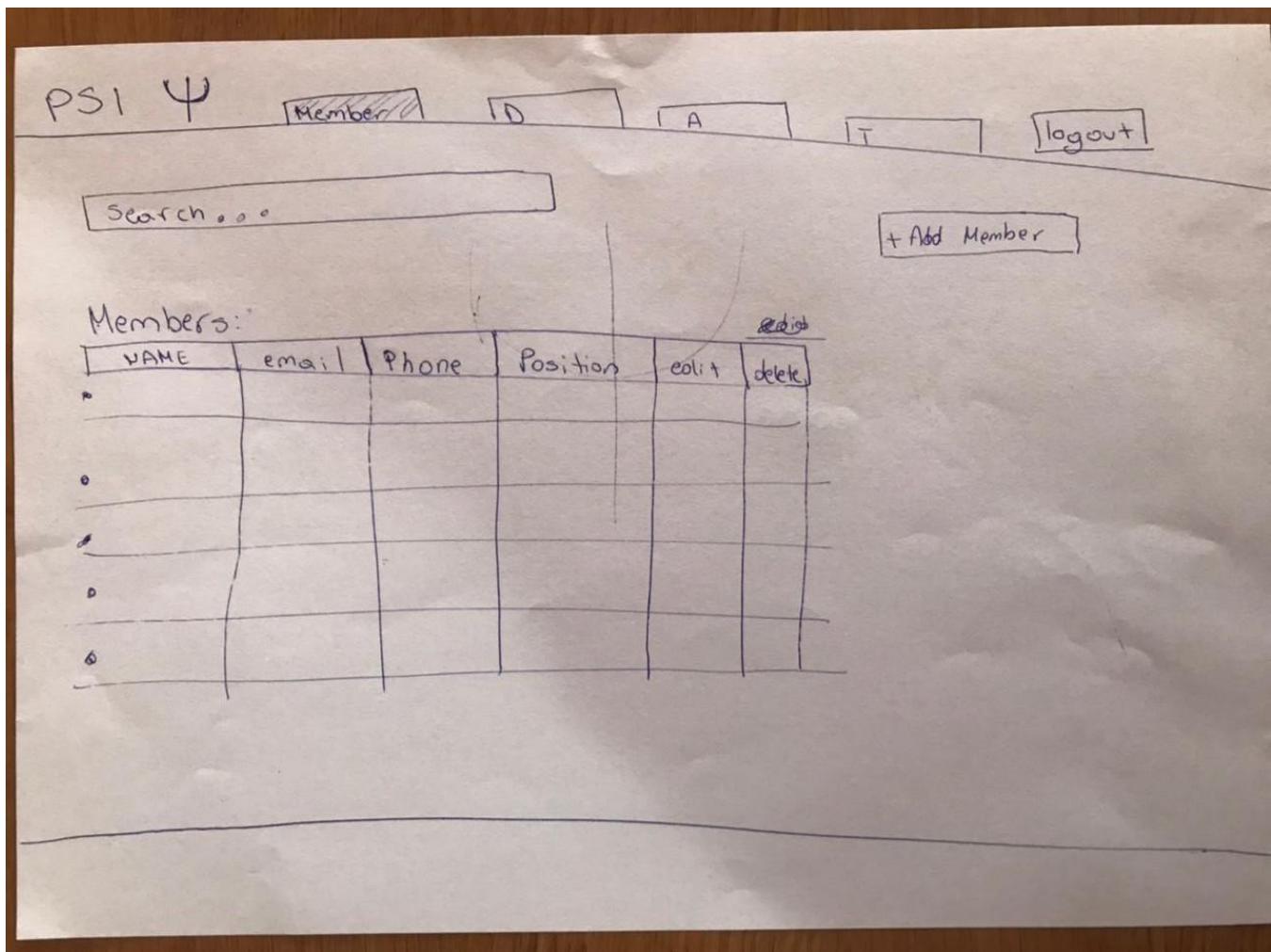
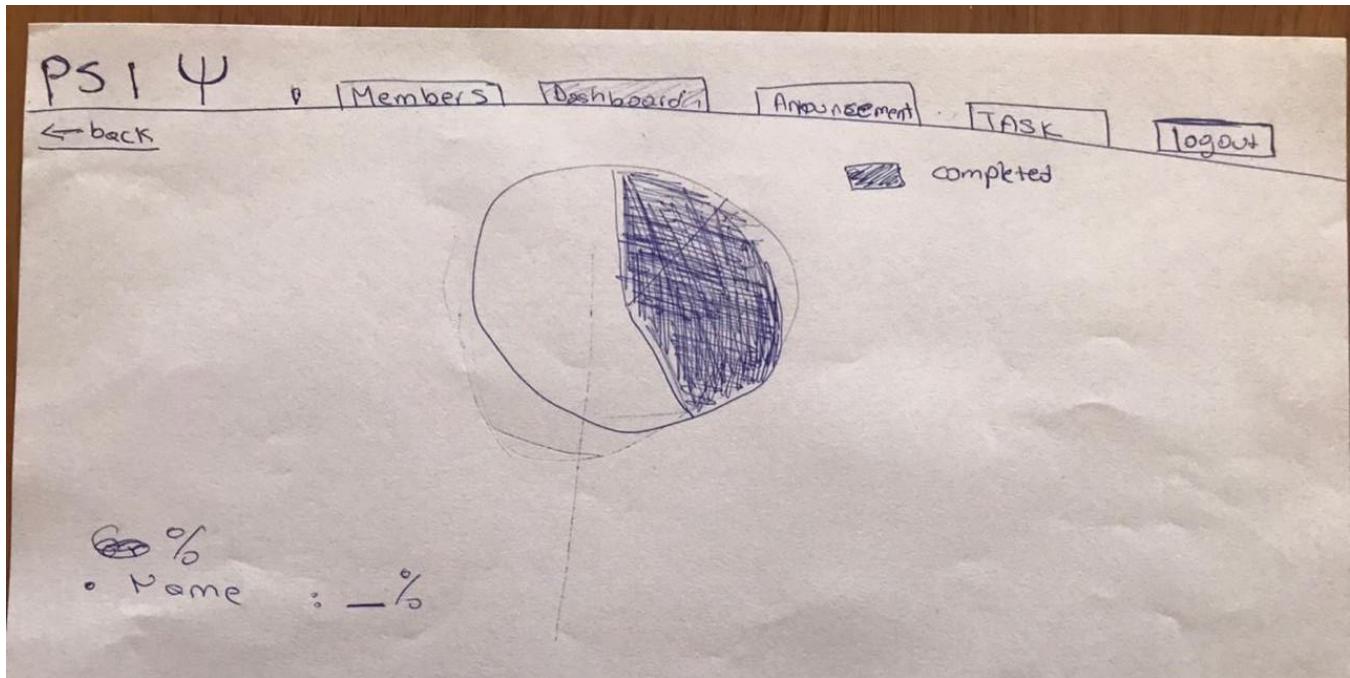
## Psi Requirements Specification



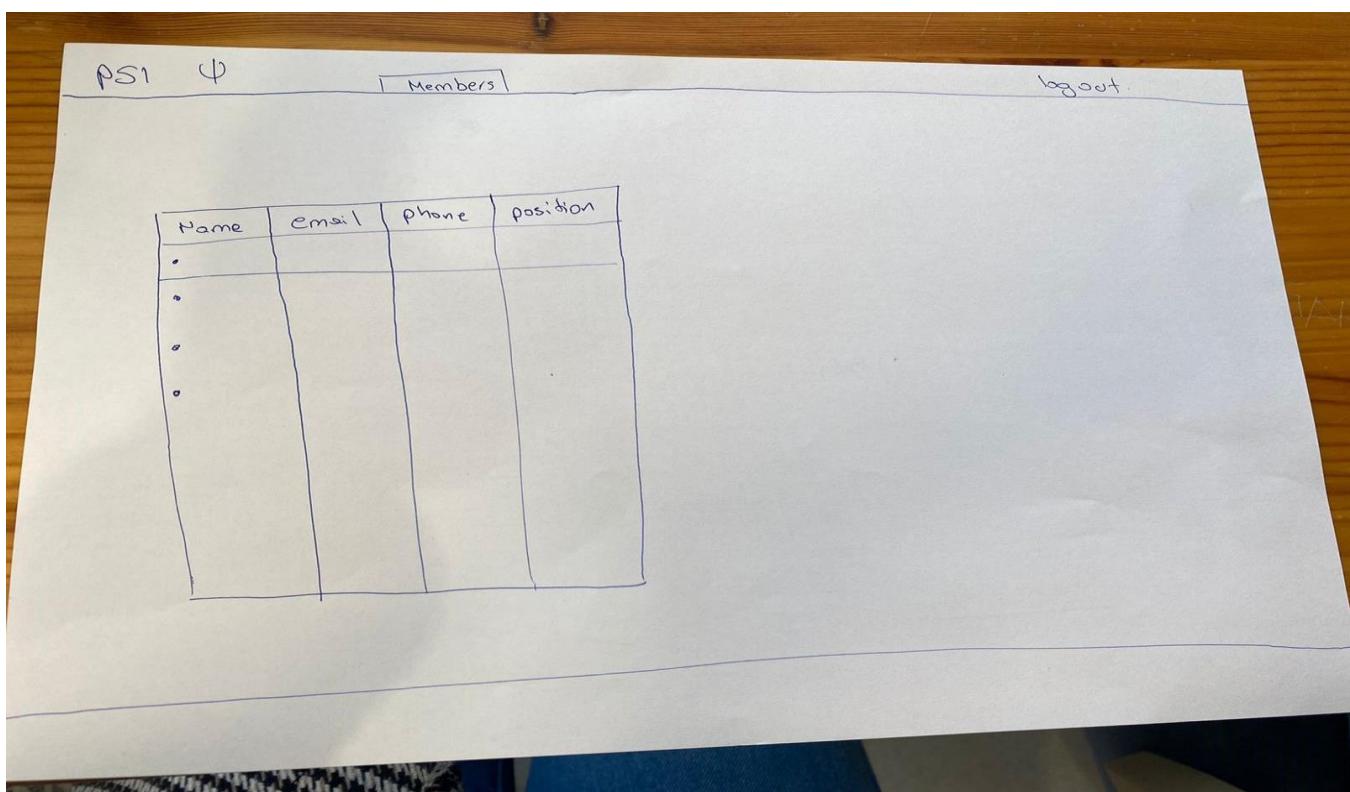
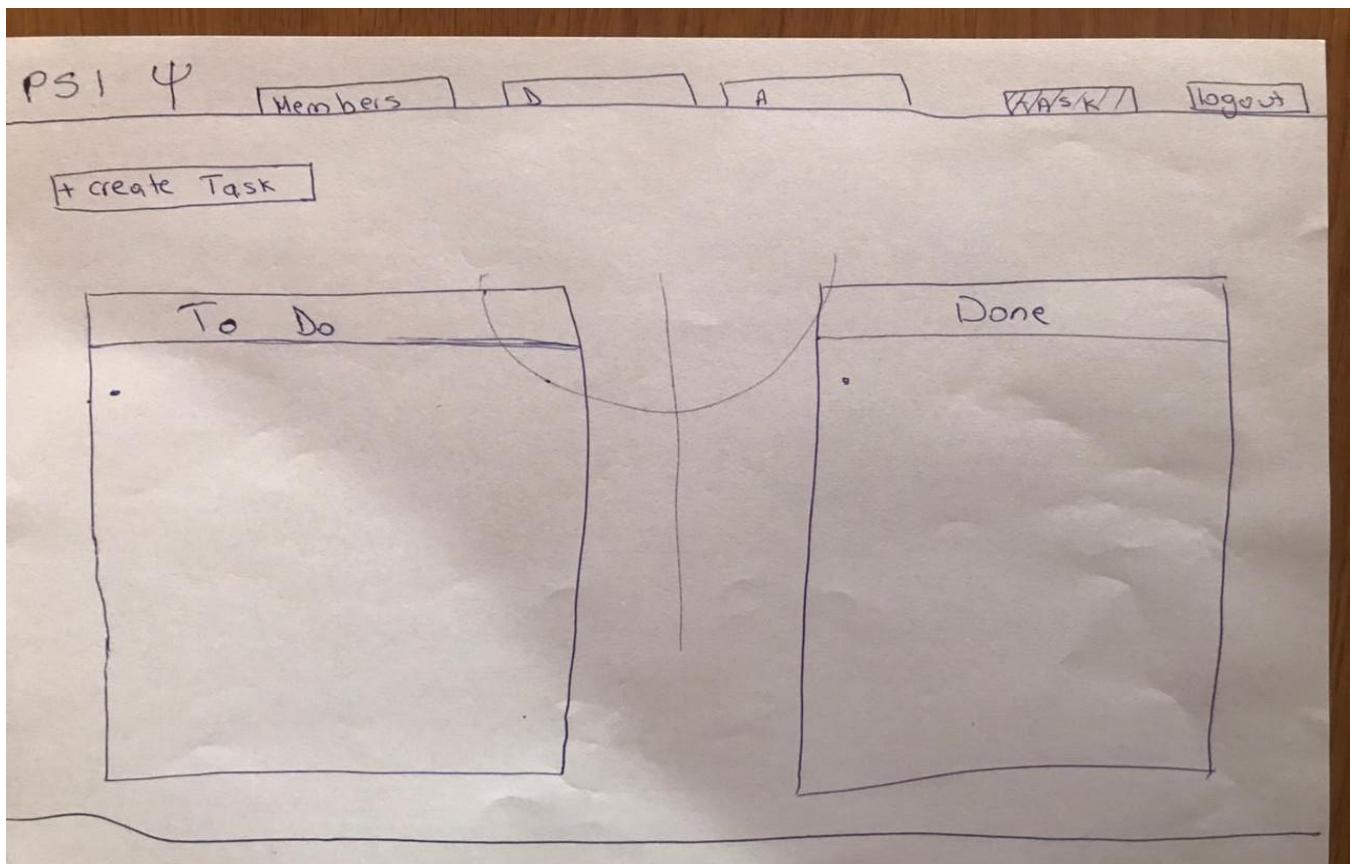
## Psi Requirements Specification



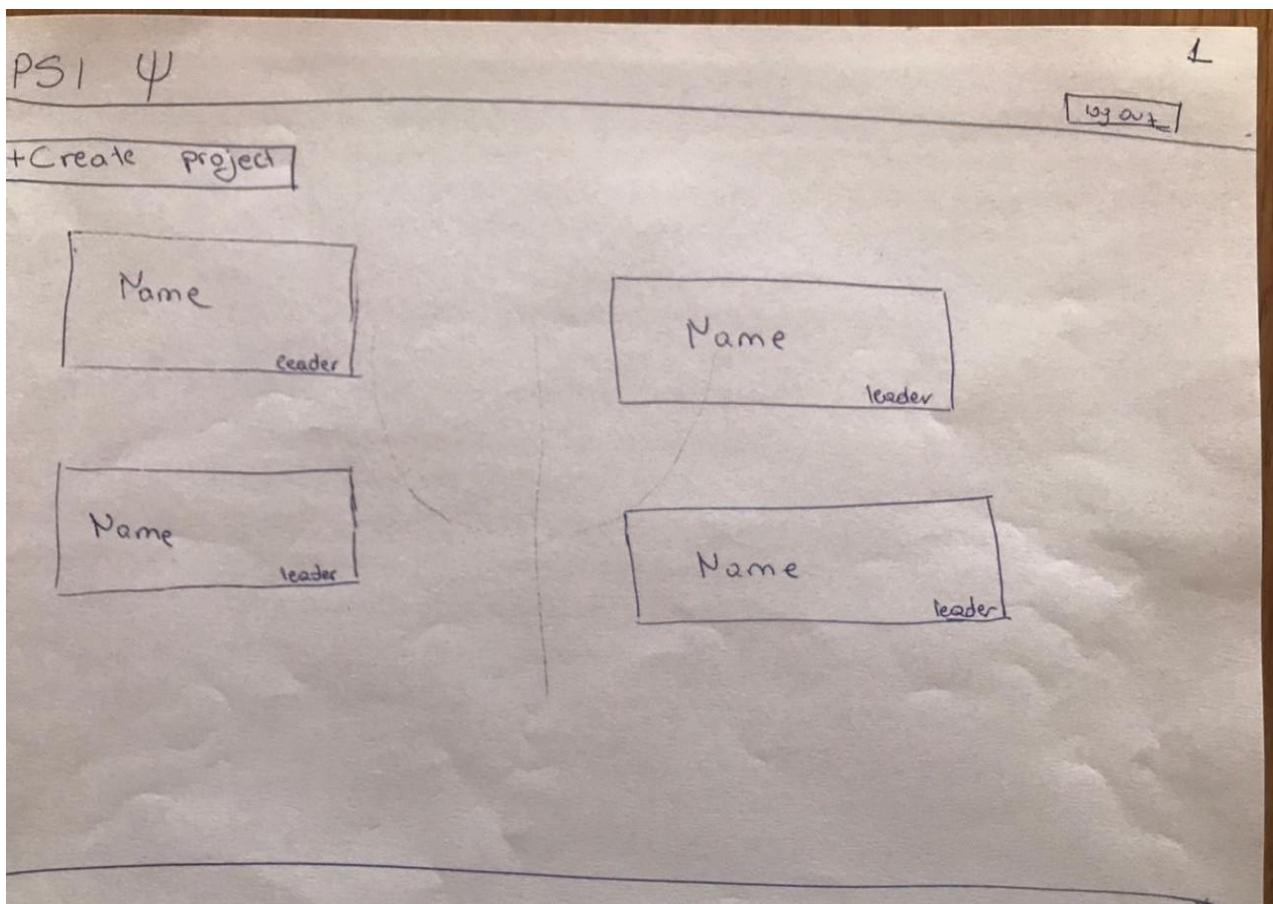
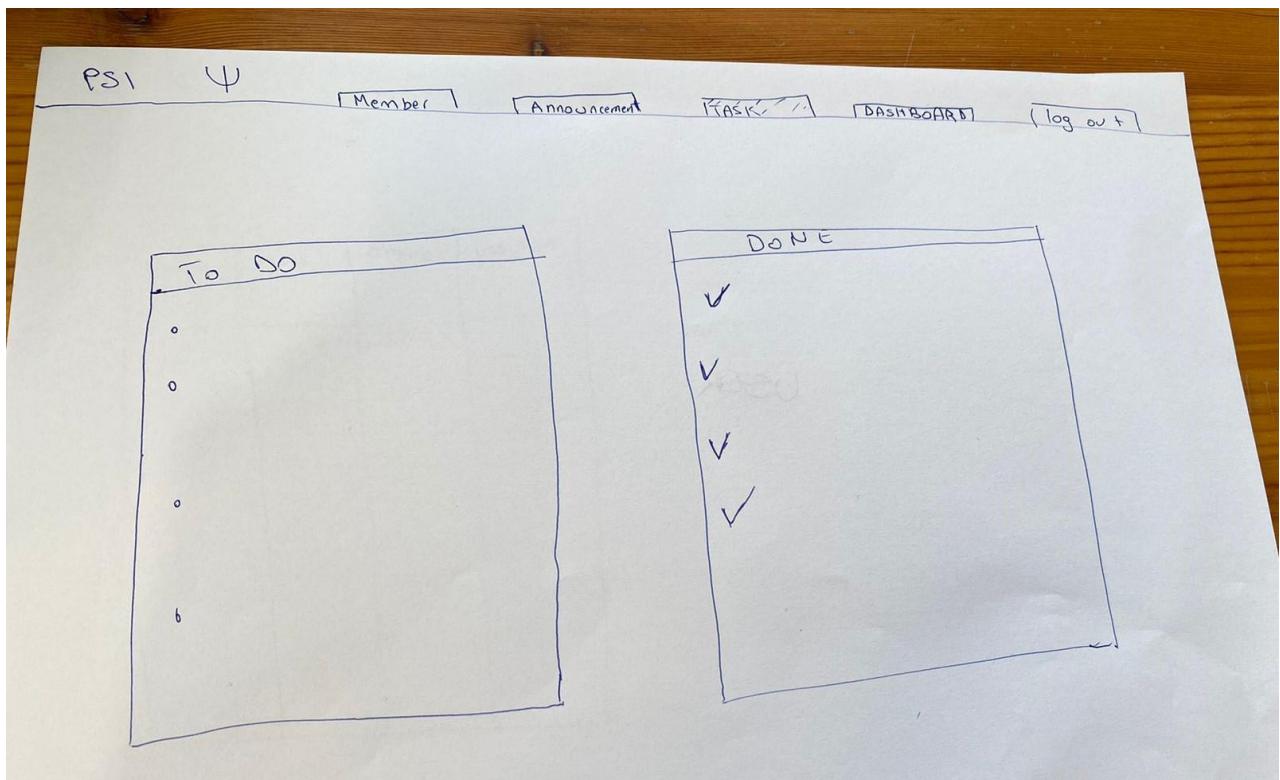
## Psi Requirements Specification



## Psi Requirements Specification



## Psi Requirements Specification



*Psi Requirements Specification*