

Project Report on Pins - Project Management App



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PROJECT DESCRIPTION

Pins is a user-friendly android app developed by keeping in mind the growing challenges faced by teams in a collaborative environment in the IT industry. It offers two user roles - Manager and Employee. Managers are responsible for accepting employees in the team, creating tasks, assigning tasks to the employees and authorising employees. Employees on the other hand are the ones responsible for completing tasks based on their priorities and changing the task status accordingly. This app also offers in-app messaging service among the team and search functionality for past tasks. The purpose of this project is to plan and document project tasks and activities, solve project issues, establish collaboration and cooperation between project participants, organize human resources and share information.

FUNCTIONAL REQUIREMENTS

- Every Employee and Manager should have an account for authentication and uploading/managing the data.
- Each Employee should have its own board on which all the tasks assigned by the Manager are displayed.
- Manager can also set the priority of the task either Low, Medium or High.
- An employee can change the status of the task.
- Only the Manager should be able to create tasks and assign them to specific employees by logging into the account.
- Employees and managers should be able to directly Communicate with each via chat.
- An employee can only join a project after approval from the manager.
- Employees can change the status of the task however in the teamboard employees can only view the status of the task.
- Manager should be able to see the tasks completed by employees, the ones in progress and the ones that are pending.
- An Employee or Manager can upload profile pictures in the profile section.
- Managers can edit already created tasks.

NON FUNCTIONAL REQUIREMENTS

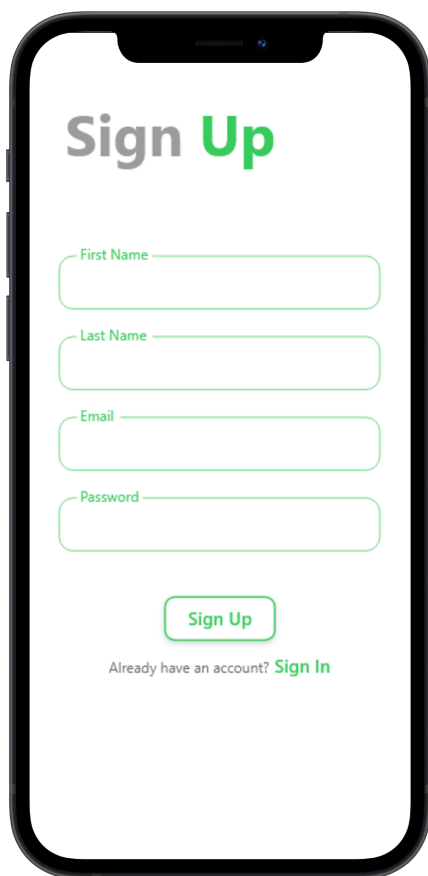
- On start up, it shouldn't take more than 3 seconds to load the initial screen.
- As the number of users grows, the app should be able to store and retrieve data without much delay.
- Upon interruption, the app should be able to save the state and return to the same state afterwards.
- The flow of the app should be simple so that the users may understand it without any guidelines.
- In order to access or upload the data proper authentication should be required.
- The app should be able to resize itself in order to fit different screen sizes.
- The app should be accessible to the employees even without the internet, with limited functionality.
- The app should be made available to at least 90% of android users.
- Whenever some new tasks are added in the employees profile, the app should be able to incorporate the new data without losing the previous user data.

USER STORY BACKLOG TABLE

Sr. No.	User_id	User story	Estimate
1	FIR01	As a user I want to see the flash screen/logo of the app before entering into the app	1
2	FIR02	As a user I want to Sign Up using my email	2
3	FIR03	As a user I want to Sign In using my email	2
4	FIR04	As an employee I want to be able send a join request to my manager upon registration	1
5	FIR05	As a manager, I want to be able to accept/decline join requests by employees	1
6	FIR06	As a manager I can create new tasks and assign tasks to my employees	3
7	FIR07	As an Employee I can see all the tasks in the teamboard but cannot edit.	2

8	FIR08	As an employee I can see my personal board and teamboard	8
9	FIR09	As an employee I can see my assigned task and edit the task status	3
10	FIR10	As an employee/manager I can send messages to my team	5
11	FIR11	As an employee I can search and filter my past tasks	3
12	FIR12	As a manager I can search and filter past tasks of all the employees	3
13	FIR13	As a user I can view or edit my profile	5
14	FIR14	As Manager I can edit already created tasks.	2
15	FIR15	As an employee/Manager I can leave the project.	1
		TOTAL	42

PROJECT MOCKUPS



Sign Up

First Name

Last Name

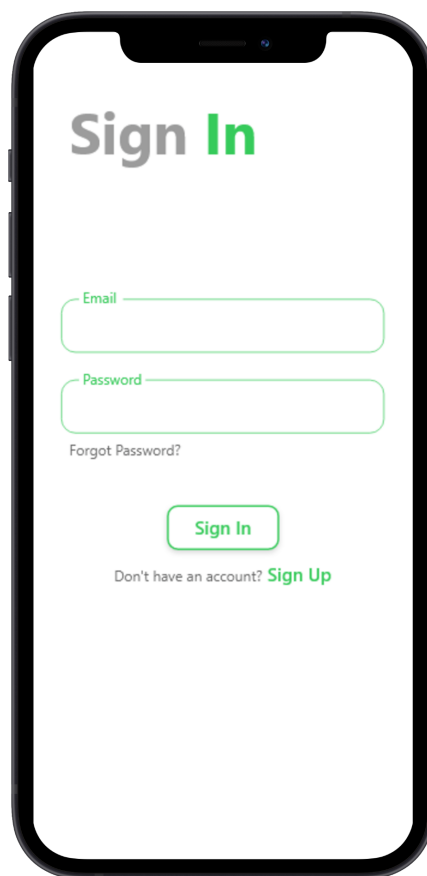
Email

Password

[Sign Up](#)

Already have an account? [Sign In](#)

Sign Up Screen



Sign In

Email

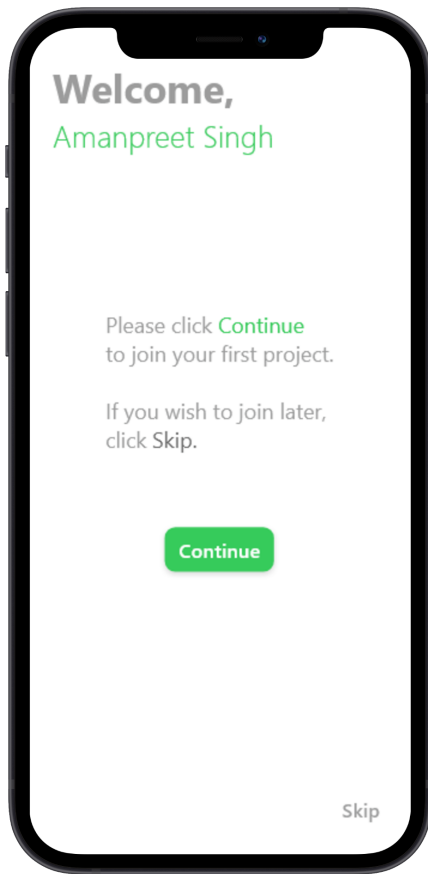
Password

[Forgot Password?](#)

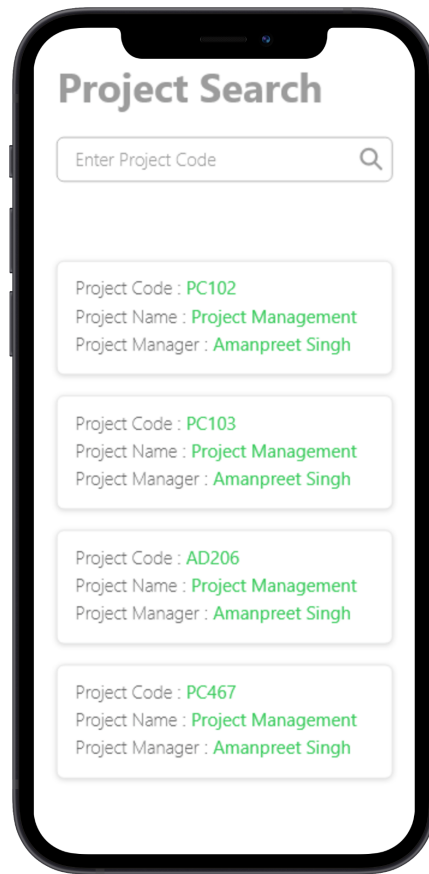
[Sign In](#)

Don't have an account? [Sign Up](#)

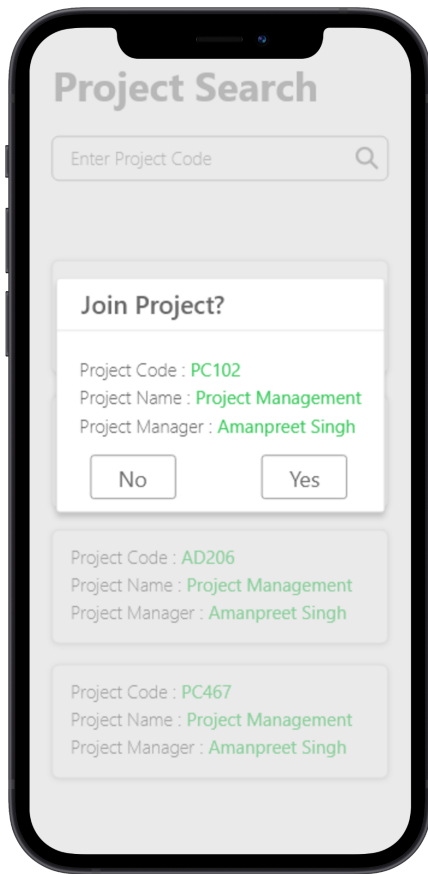
Sign In Screen



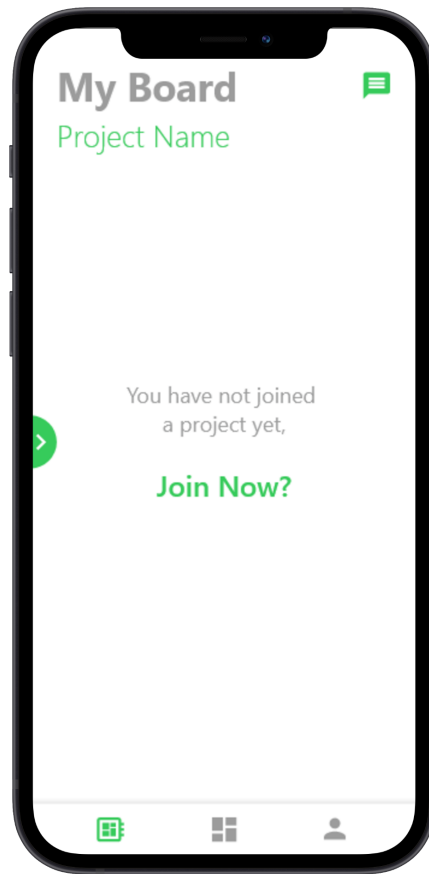
Onboarding Screen



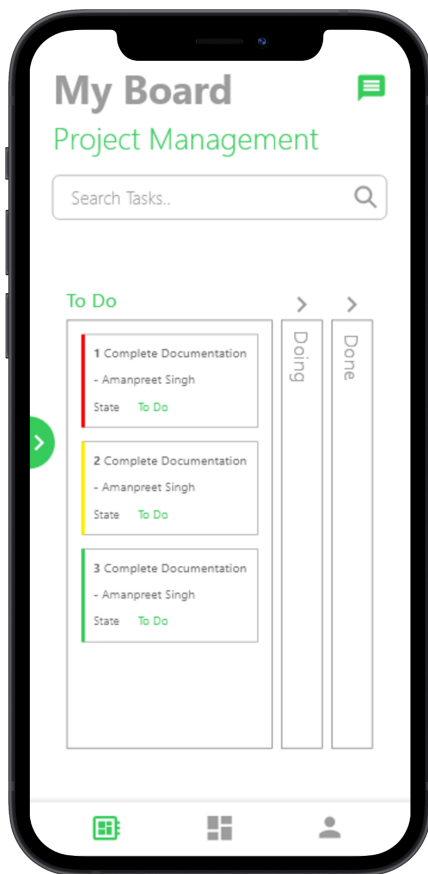
Join Project Screen



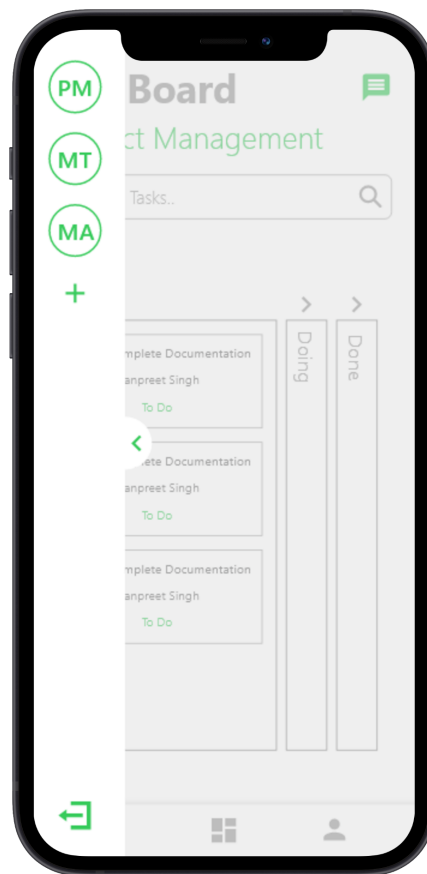
Join Project Dialog



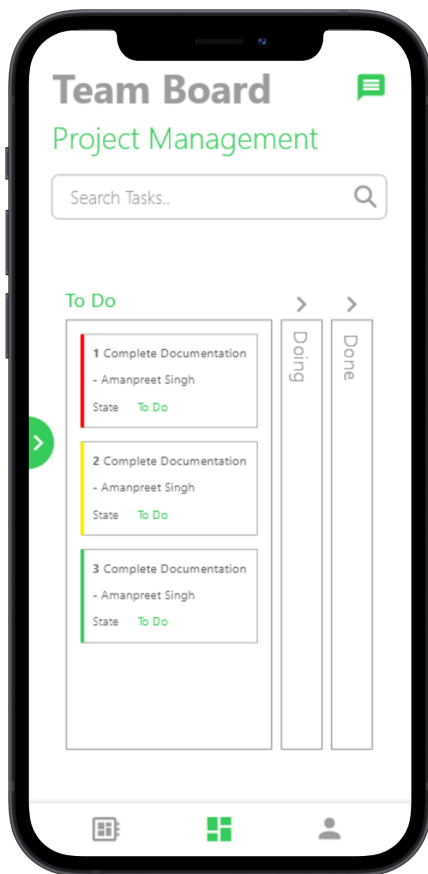
My Board (No Project)



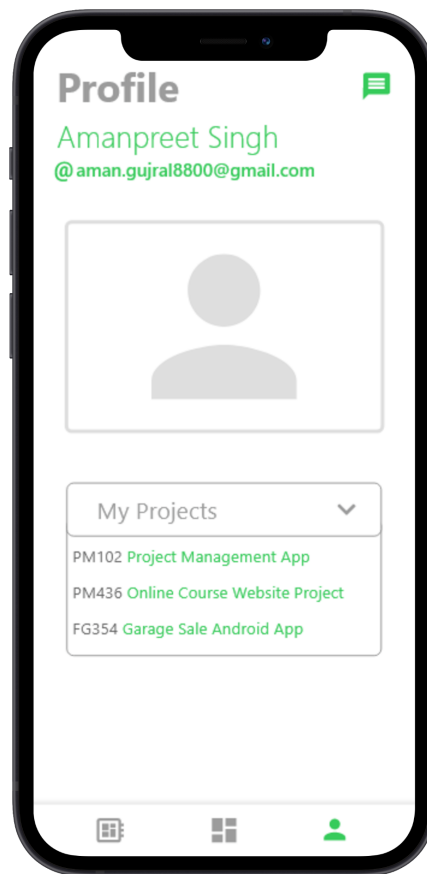
My Board Screen



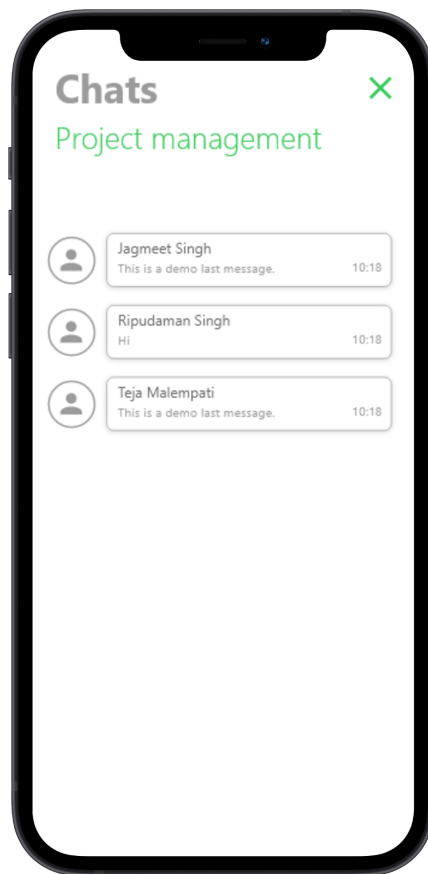
Side Panel to Switch Projects



Team Board

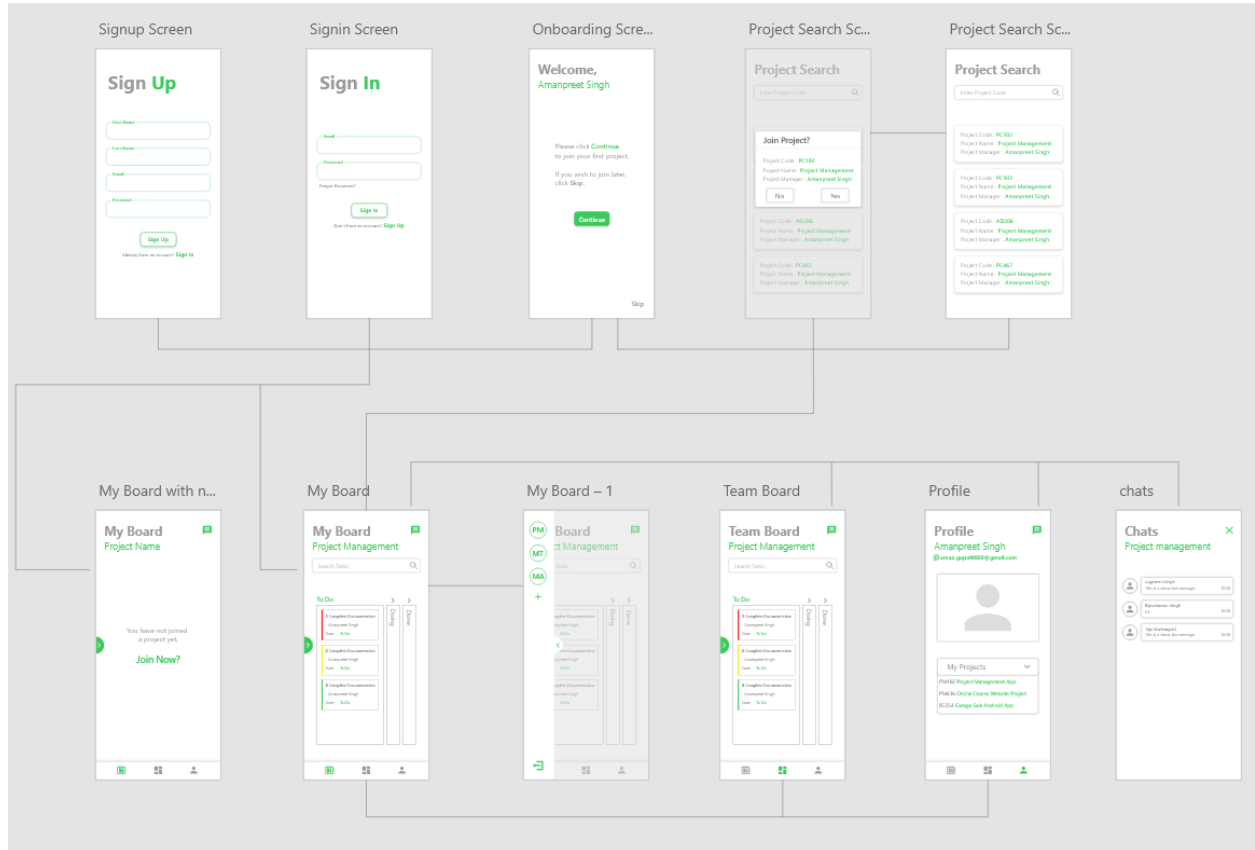


Profile Screen

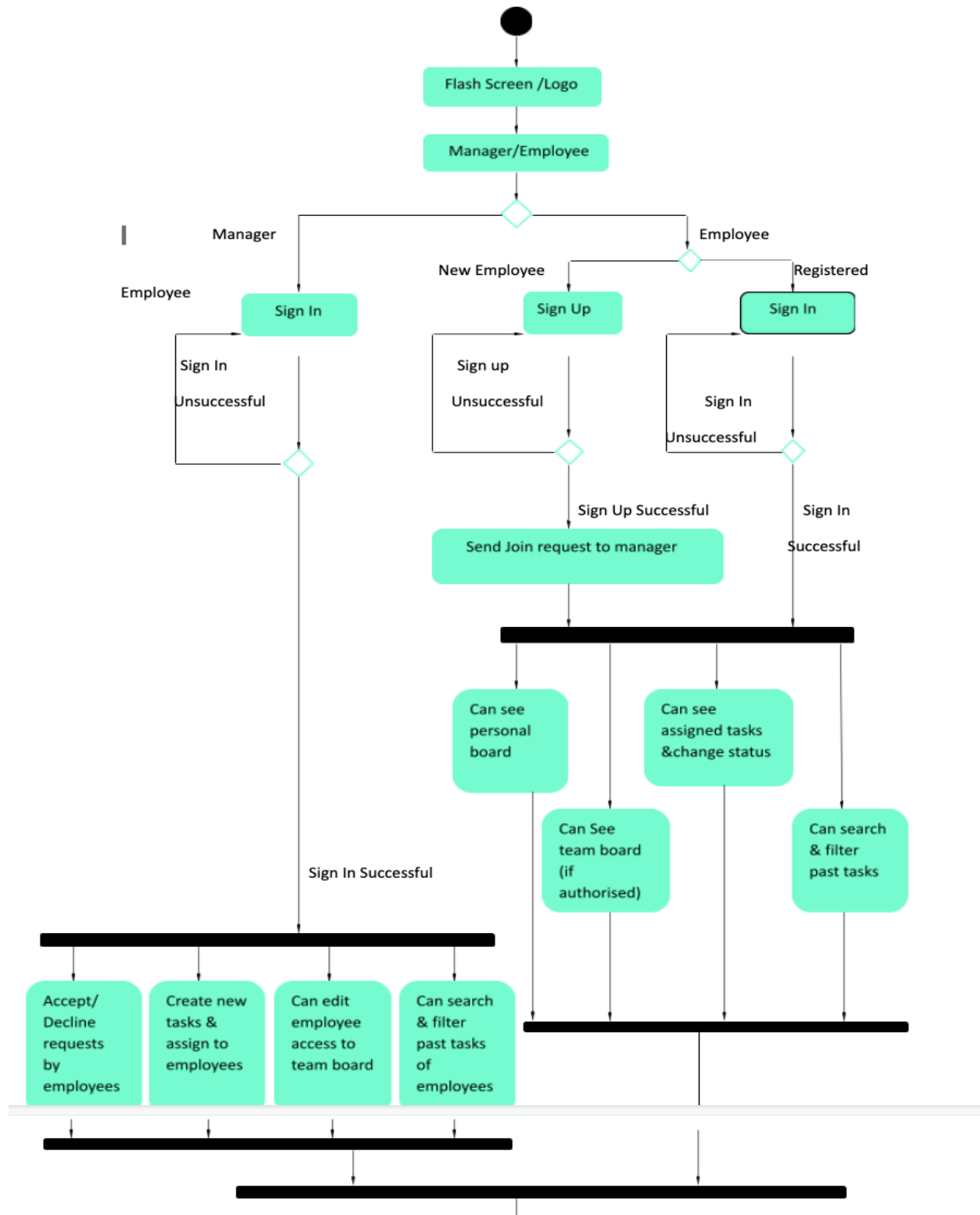


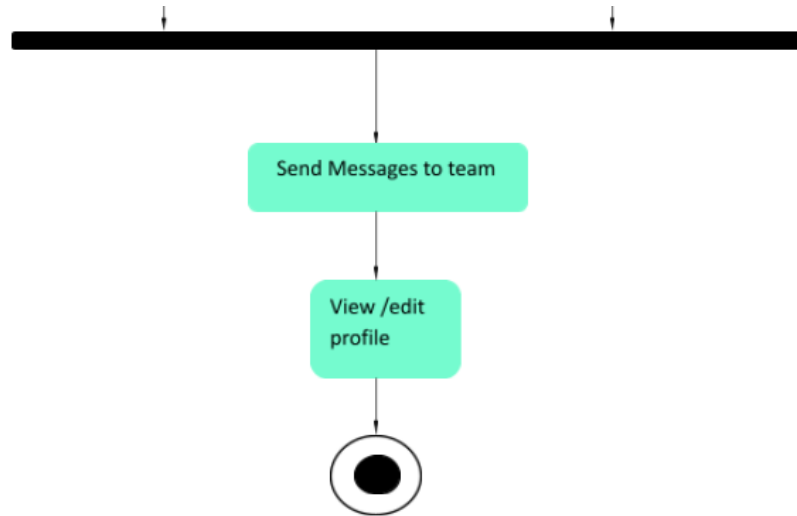
Chats

SCREEN FLOW DIAGRAM

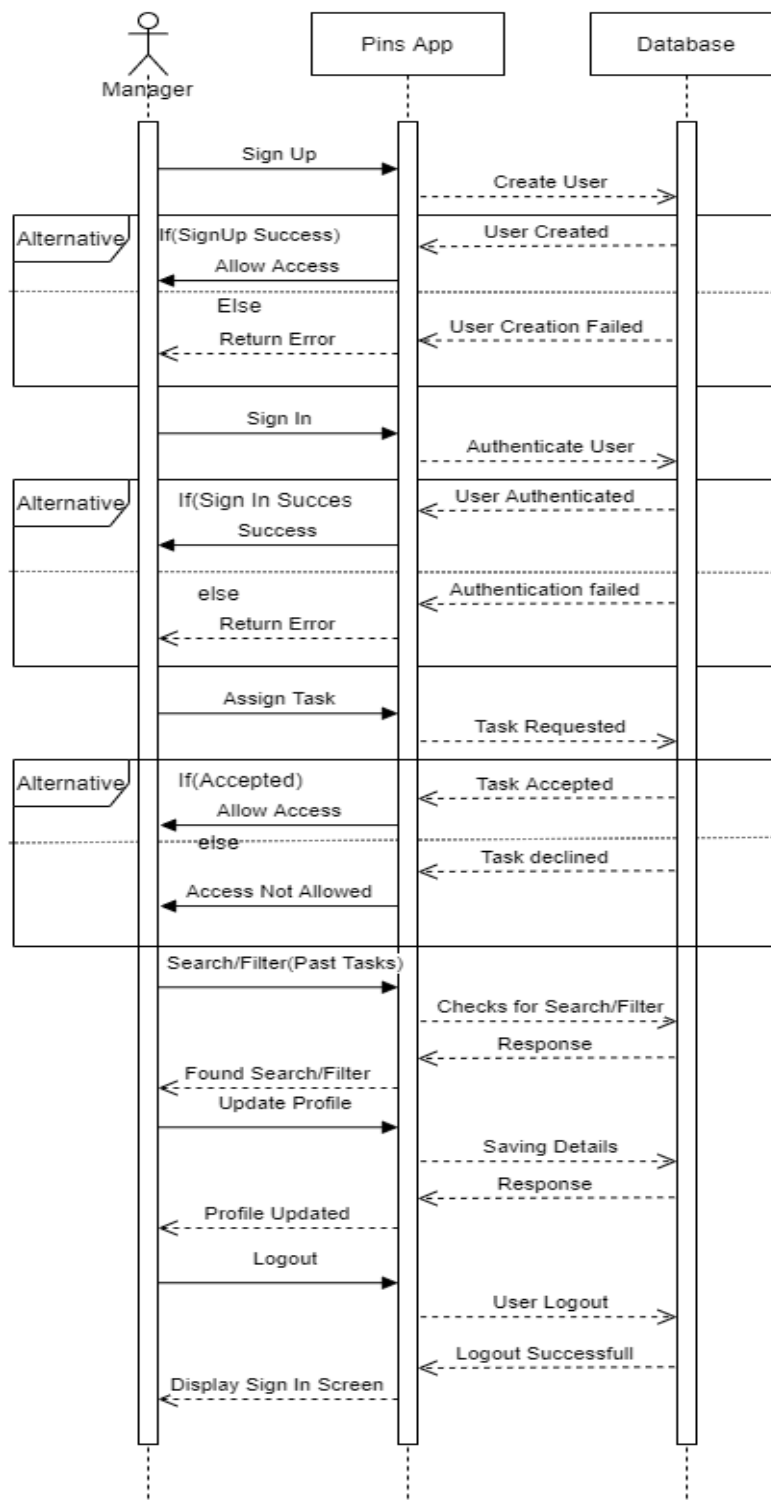


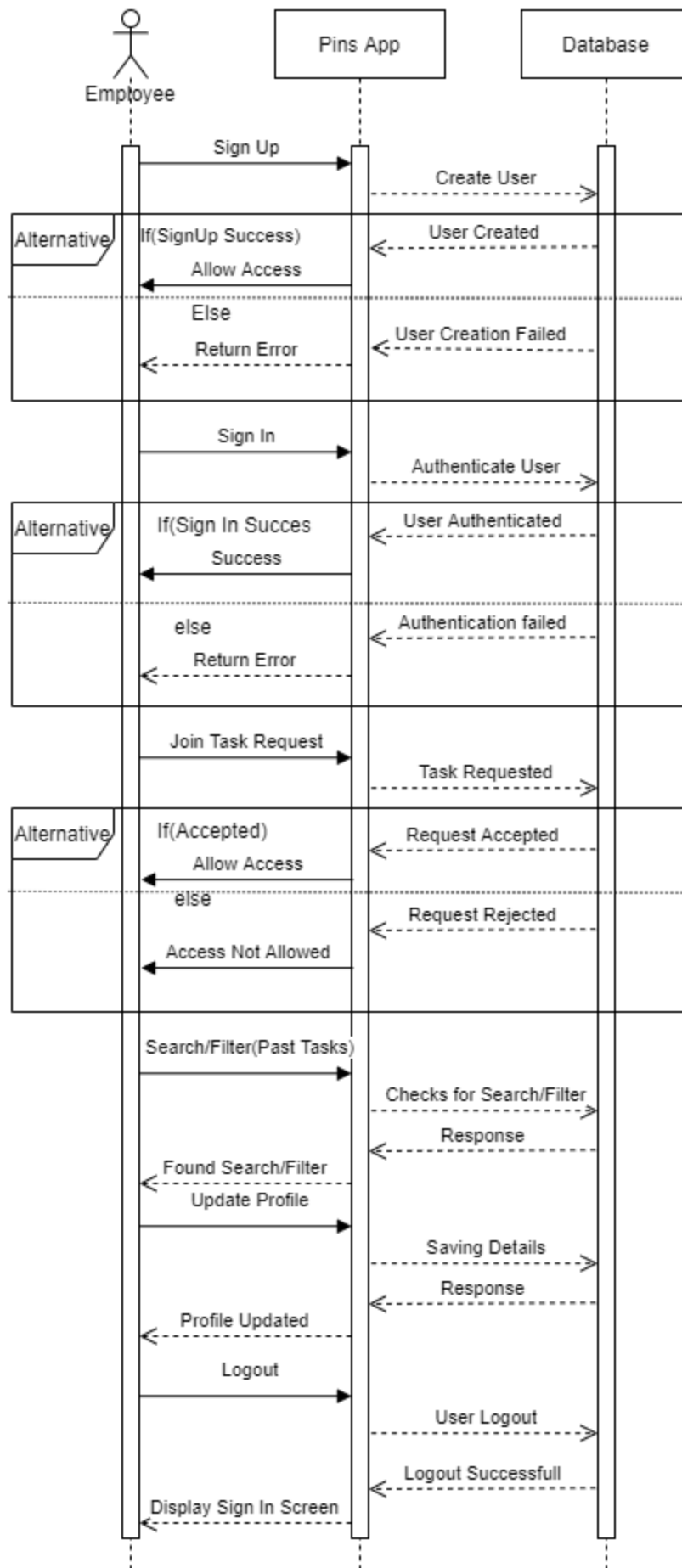
ACTIVITY DIAGRAM



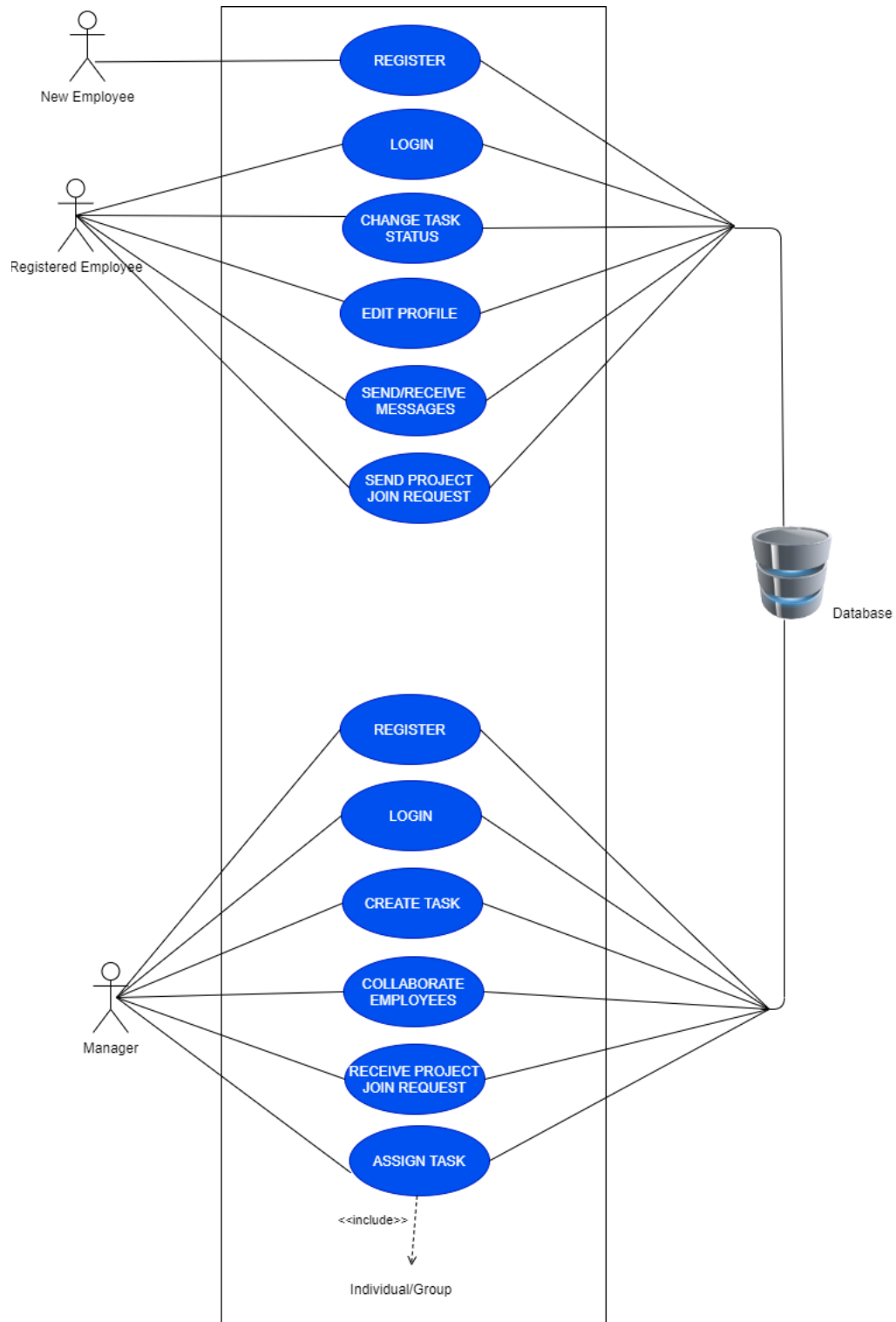


SEQUENCE DIAGRAM



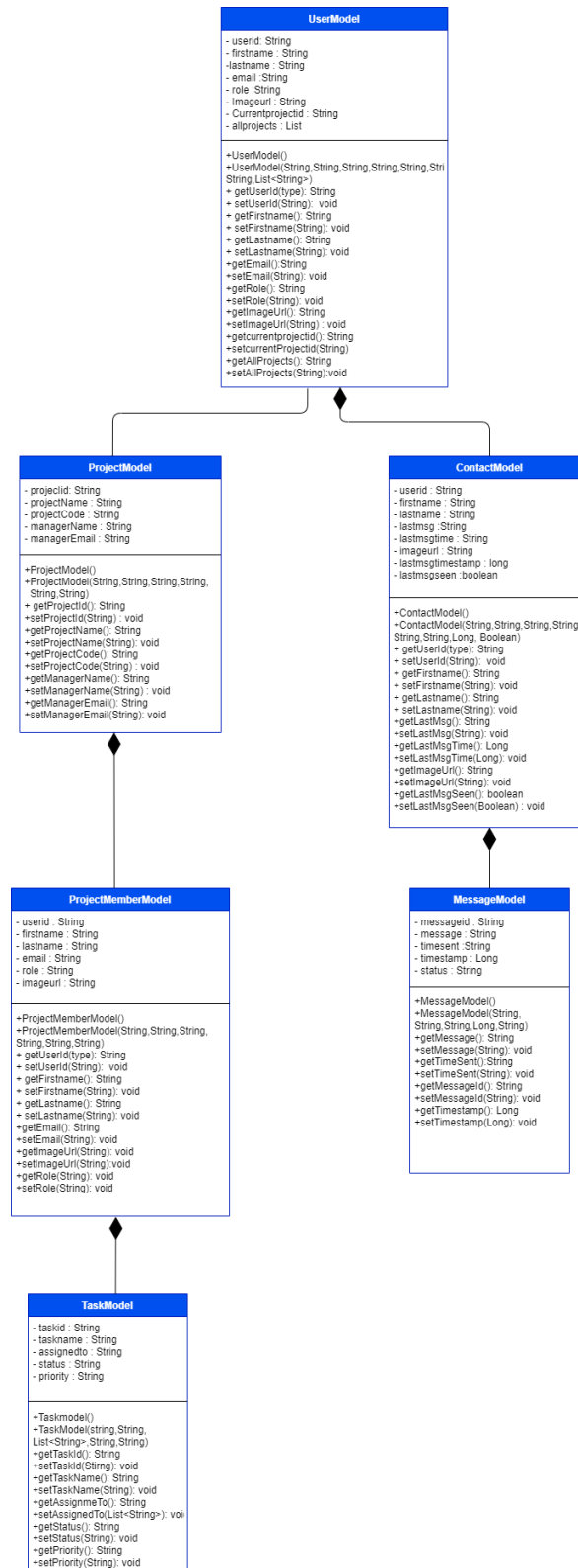


USE CASE DIAGRAM

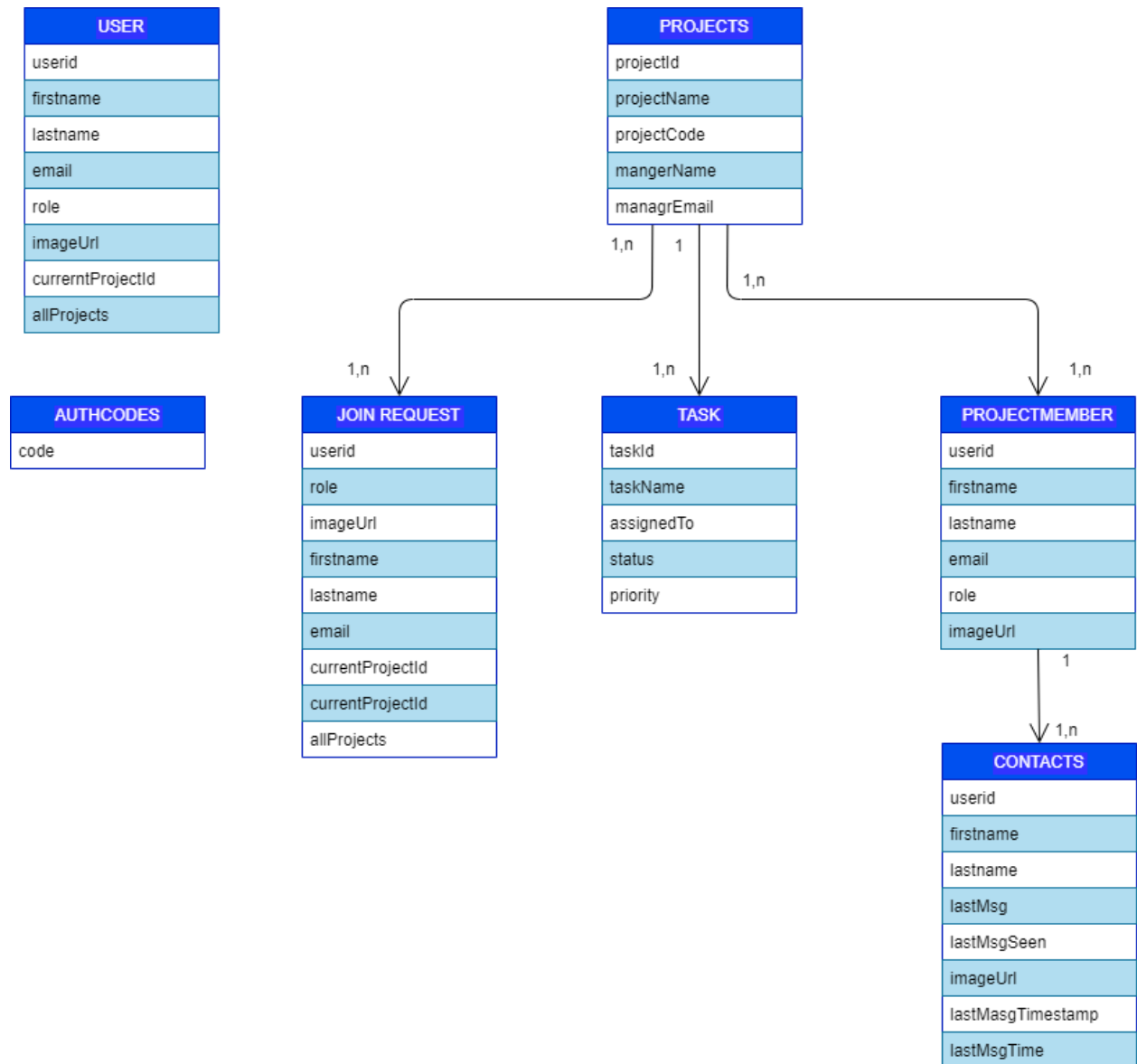


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CLASS DIAGRAM



DATABASE SCHEMA



TASK DIVISION

Division 1

NAME (ASSIGNED TO)	TASKS ASSIGNED	DESCRIPTION
Amanpreet Singh	OnBoarding Screen, FlashScreen	Creating the welcoming/Onboarding screen along with the flash screen.
Ripudaman Singh	SignIn	Making the sign-In Screen
Jagmeet Singh	Profile Section	Making the Profile Section
Teja	SignIn	Making the sign-In Screen
Vinnay	SignUp	Making the sign-up Screen

Division 2

NAME (ASSIGNED TO)	TASKS ASSIGNED	DESCRIPTION
Amanpreet Singh	Boards and Side panels	Creating My board and Team Board along with the side panel.
Ripudaman Singh	Profile	Taking over profile Creation.
Jagmeet Singh	Chat-Room Functionality	Making the Chatroom
Teja	Chat-Room Functionality	Implementing the texting/Chat function
Vinnay	Search Functionality	Implementing functionality to search for previous tasks in the project.

Division 3

NAME (ASSIGNED TO)	TASKS ASSIGNED	DESCRIPTION
Amanpreet Singh	Chats and Search Tasks French Language	Re-Design Chat UI App available in French.
Ripudaman Singh	Manager Signup and authentication functionality.	Making and designing the manager Side-up and Authenticating the Manager.
Jagmeet Singh	Join project request	Sending requests to the manager to join a project.
Teja	Profile touchups	Show Current project and option to leave.
Vinnay		