PMS-Portal (Project Management System)

Tech – stack: Sequelize (ORM), Node.js, Express, React, MySQL, MVC, RESTful API, JWT, BcryptJS, Socket.io

Overview: In this project, I initially utilized MySQL for database management, but took it a step further by incorporating Sequelize ORM for seamless database interactions. This not only streamlined the process but also enhanced the efficiency of the system.

One of the key highlights was successfully managing conditional rendering on both the front end and backend, catering to the distinct roles of Admins, Managers, and Employees. This ensured a smooth user experience across the board.

Throughout the development journey, I prioritized backend security by implementing robust authentication and authorization mechanisms. By integrating safety measures, I safeguarded the system against potential threats and unauthorized access, ensuring data integrity and confidentiality.
Moreover, I leveraged Pdf-kit and React-PDF for dynamic PDF generation and Socket.IO for real-time notifications, enhancing the system's functionality and user engagement.
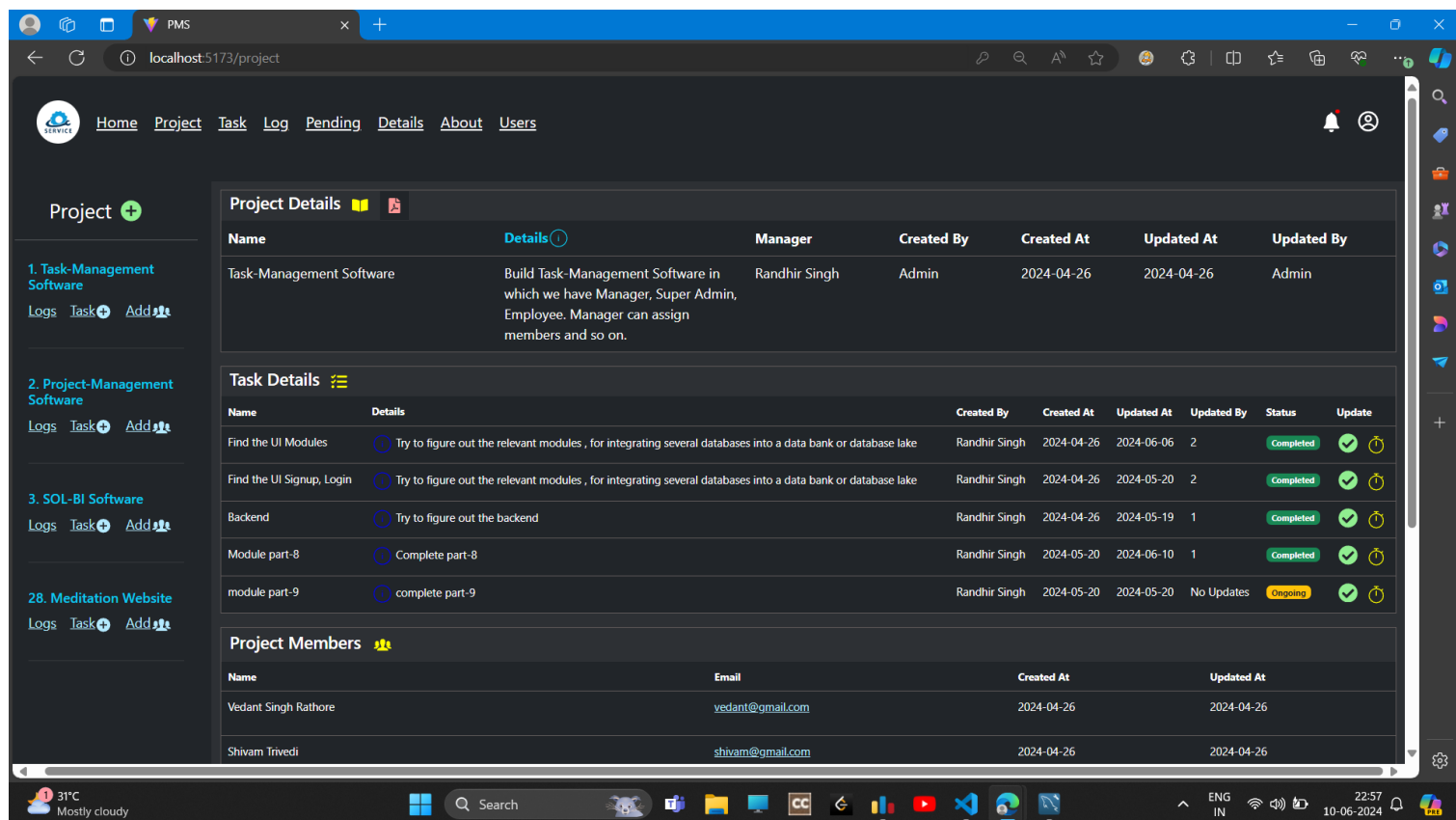
Looking ahead, my focus shifts to deployment and further enhancements. I'm excited to implement chat functionality and dive into learning D3.js for visualizing task and project status. Stay tuned for more updates!
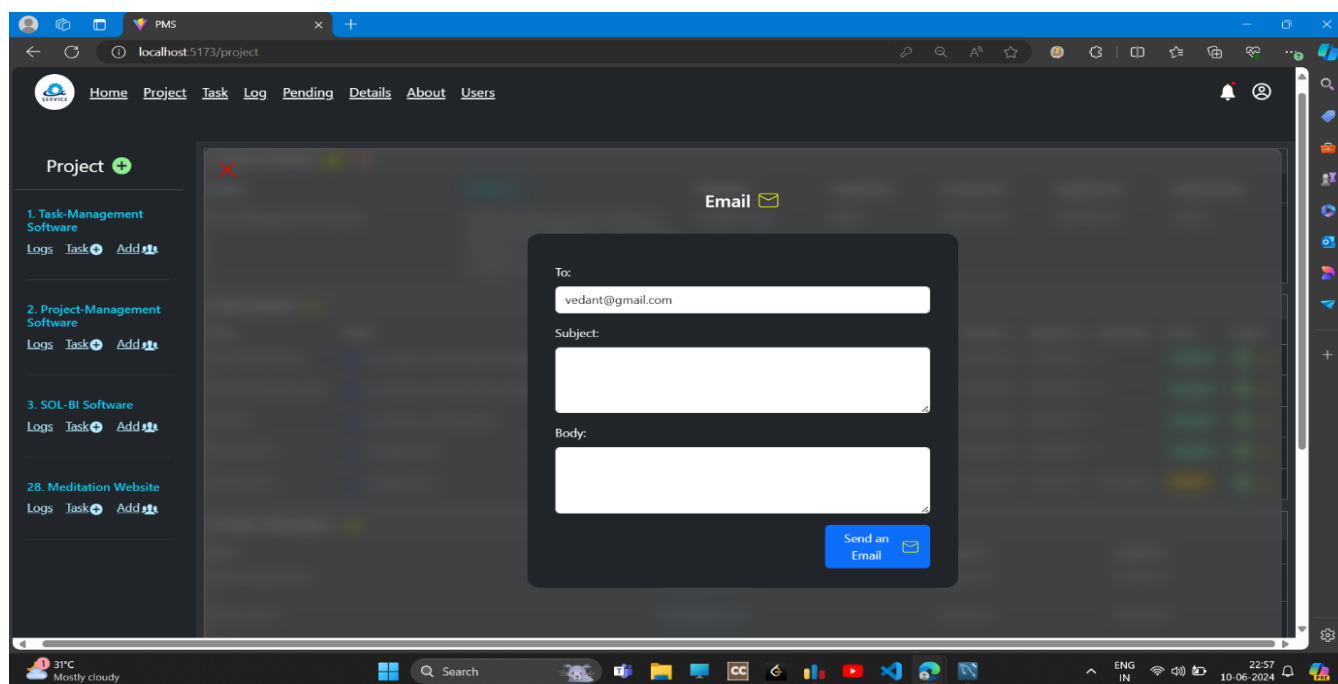
Role - Admin
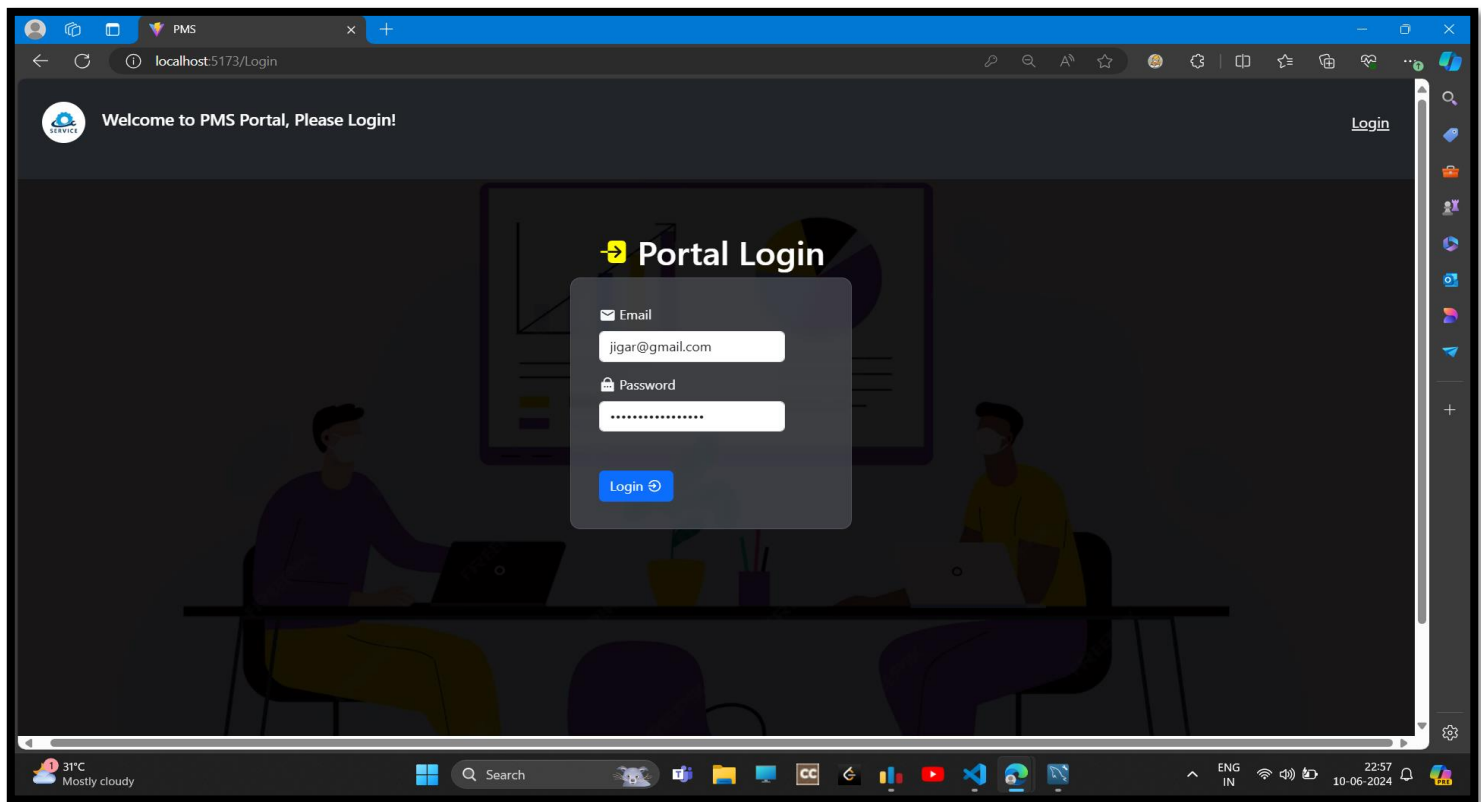
- Admin logs In
- Implemented two-way authentication
- Successfully handling the token on both front-end and backend
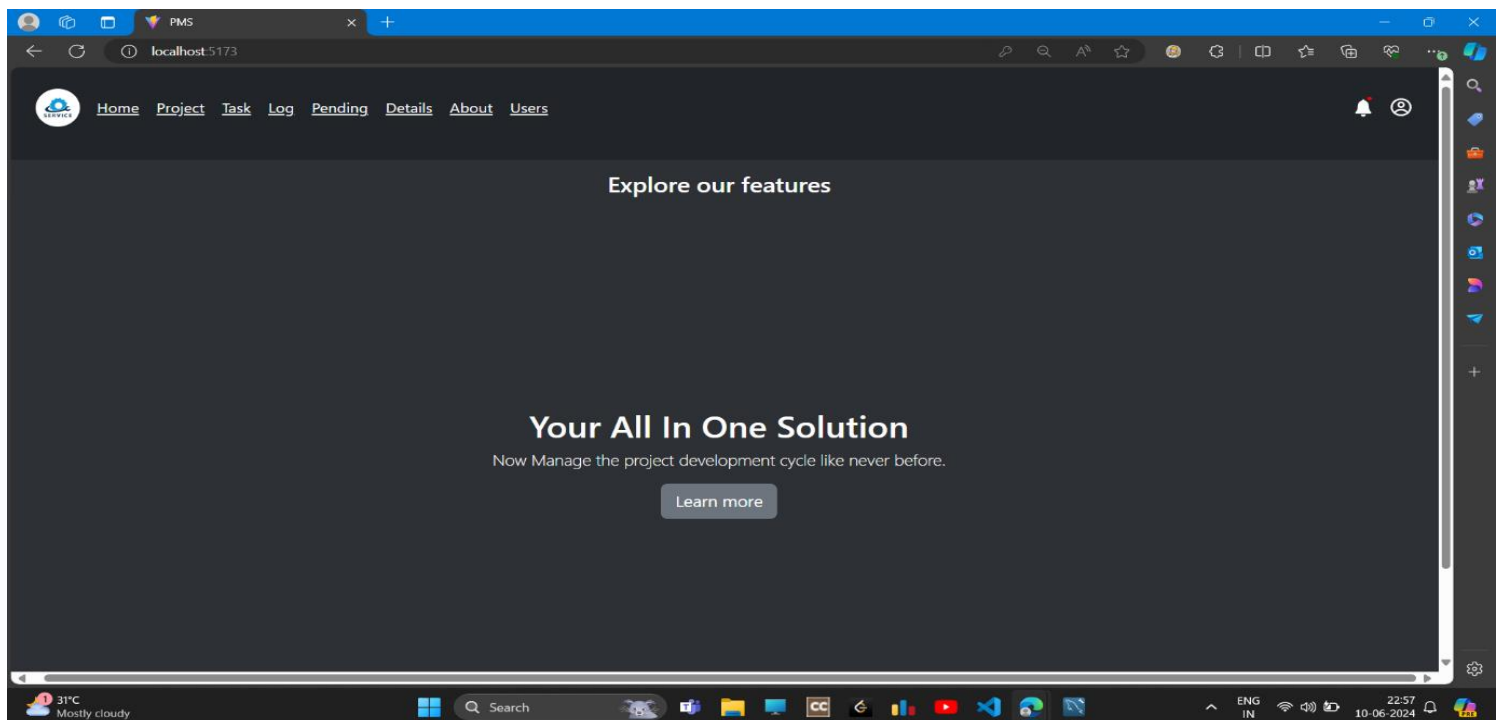
- Project dashboard – It contains Project details, Task details, Project Members, and utilized Pdf-kit for generating and downloading the pdf.
- Utilized Sequelize for handling the queries.
- Admin can create task, update task status, create and assign the new project, add members and many more.
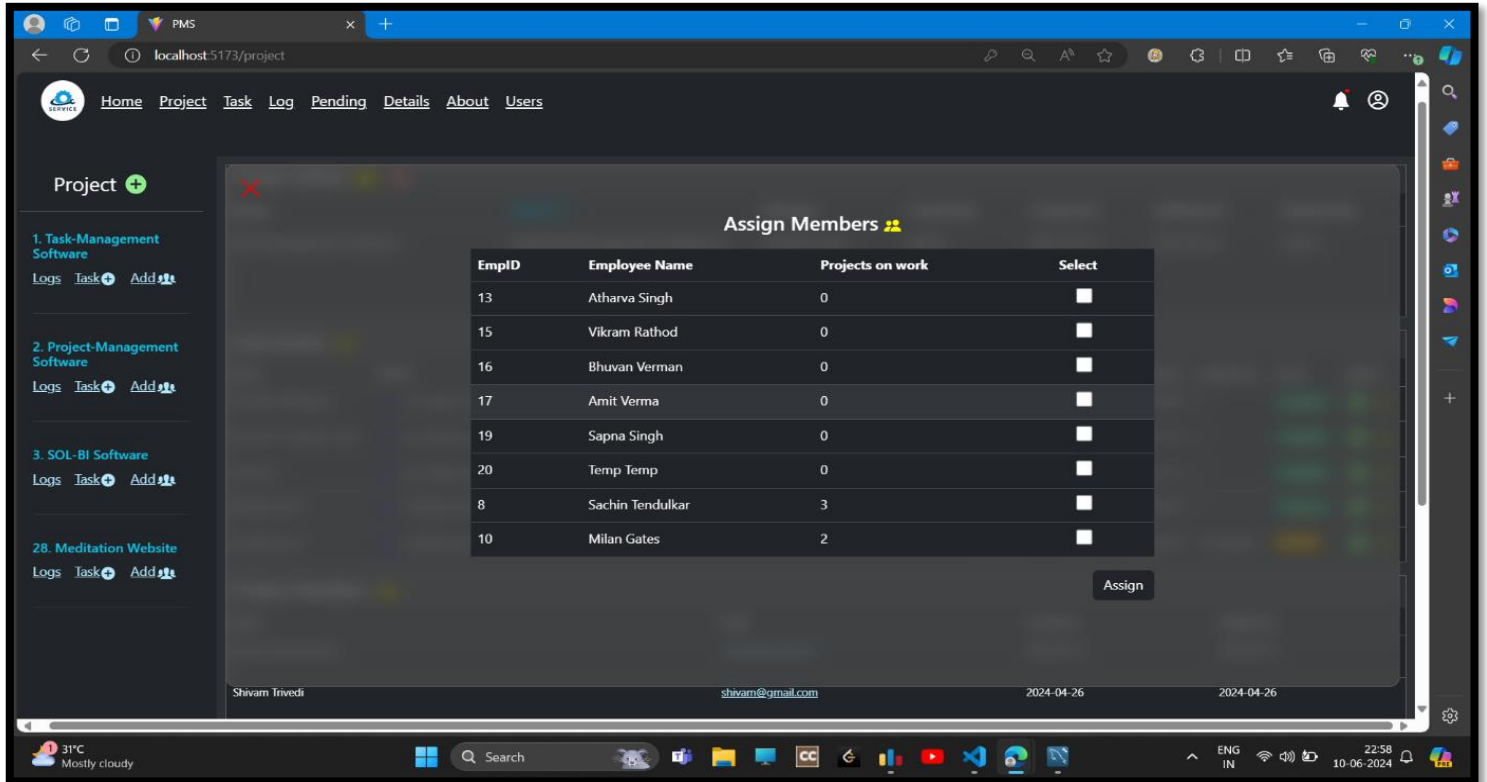

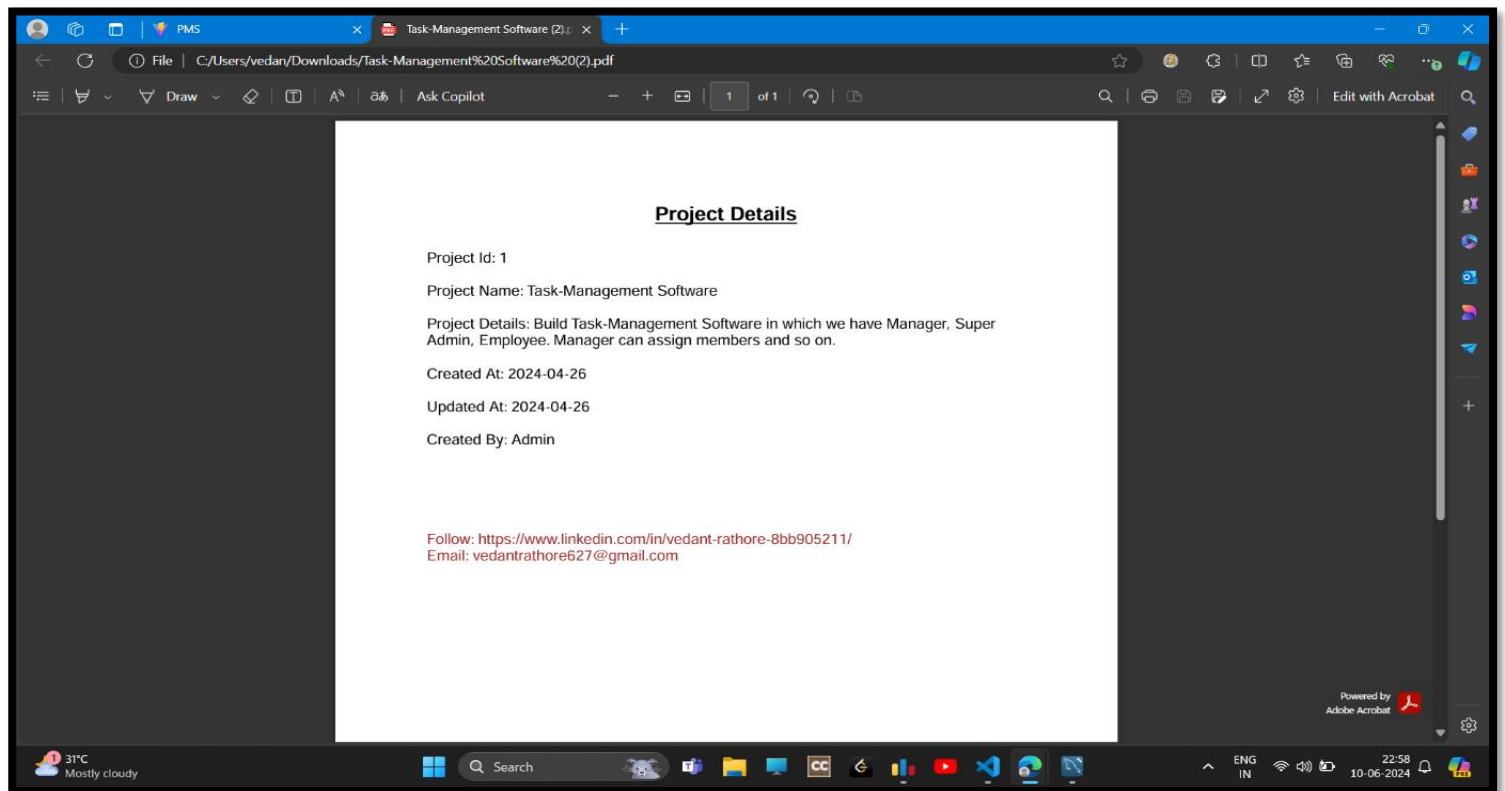- Admin can send mail simply by clicking on the user's email.

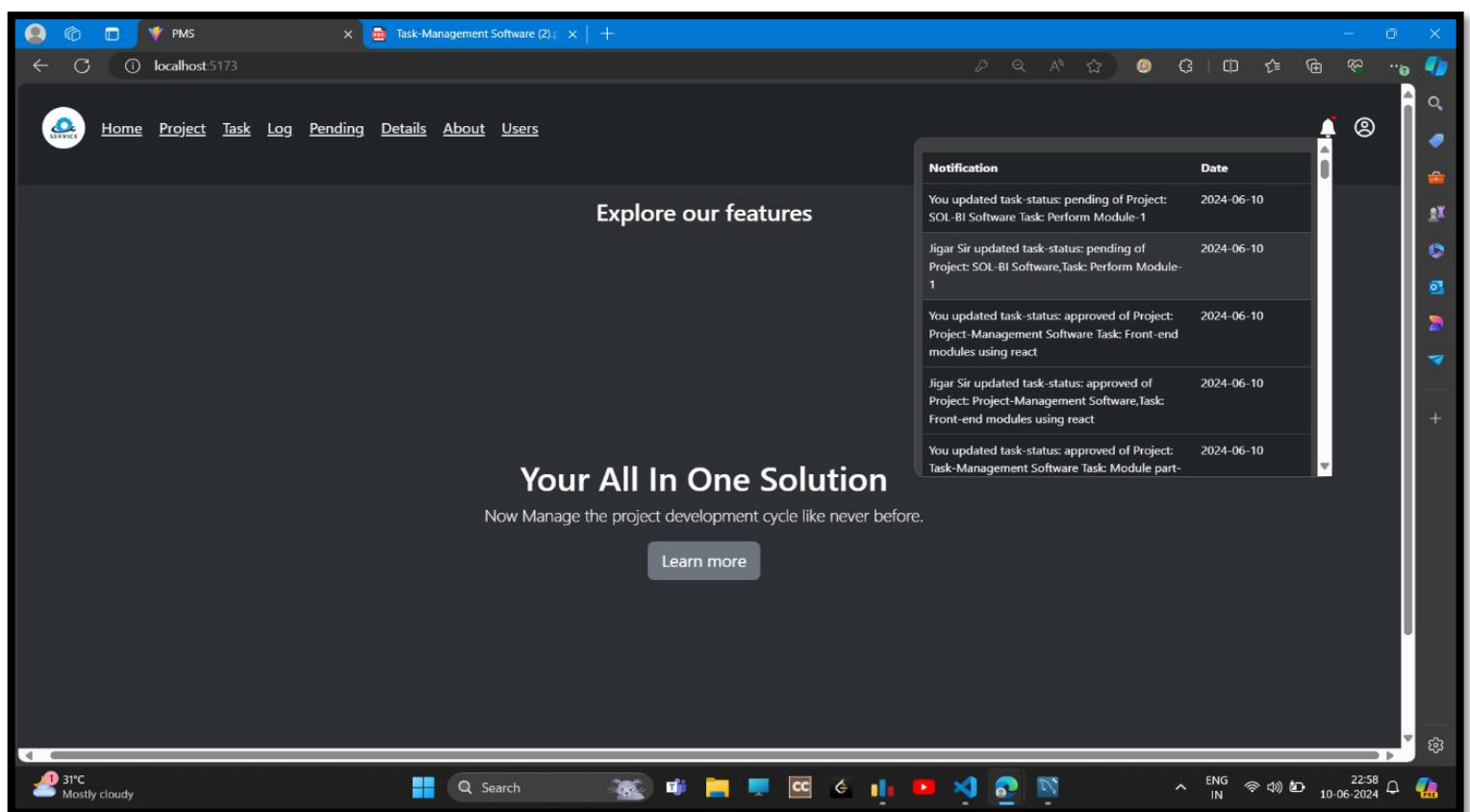- Admin can view logs, add task, add members etc.

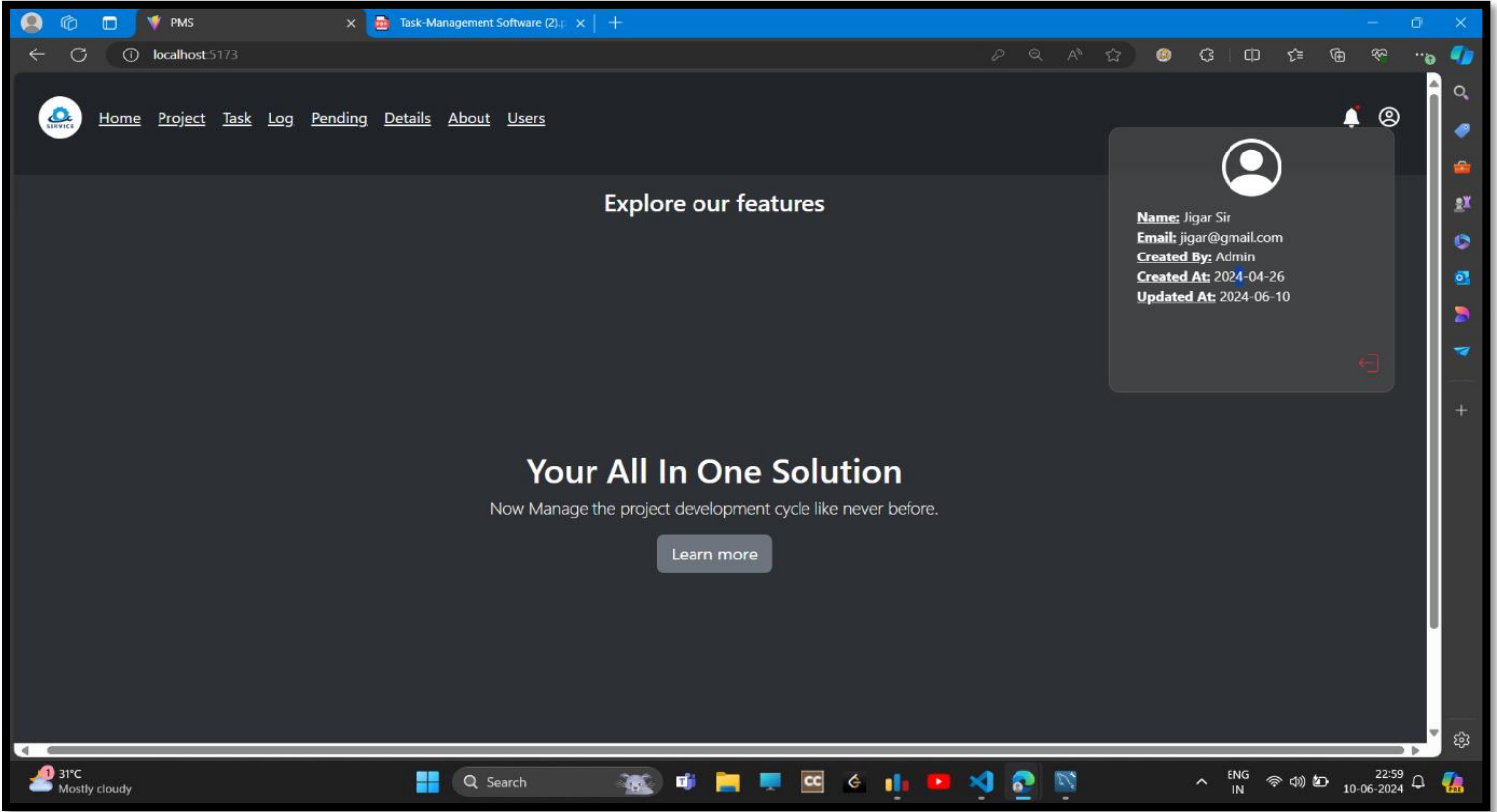- Admin can assign members in a project
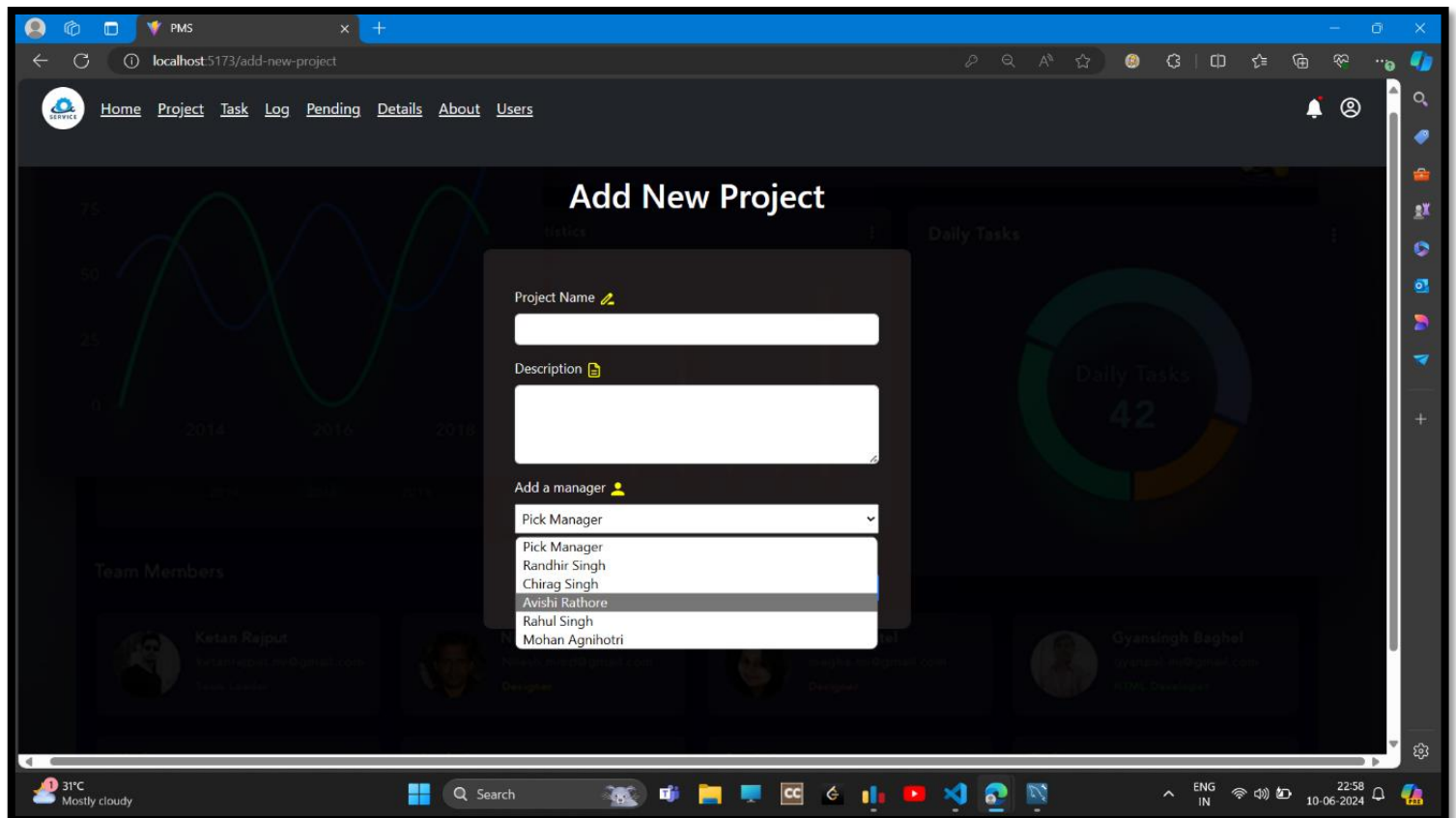
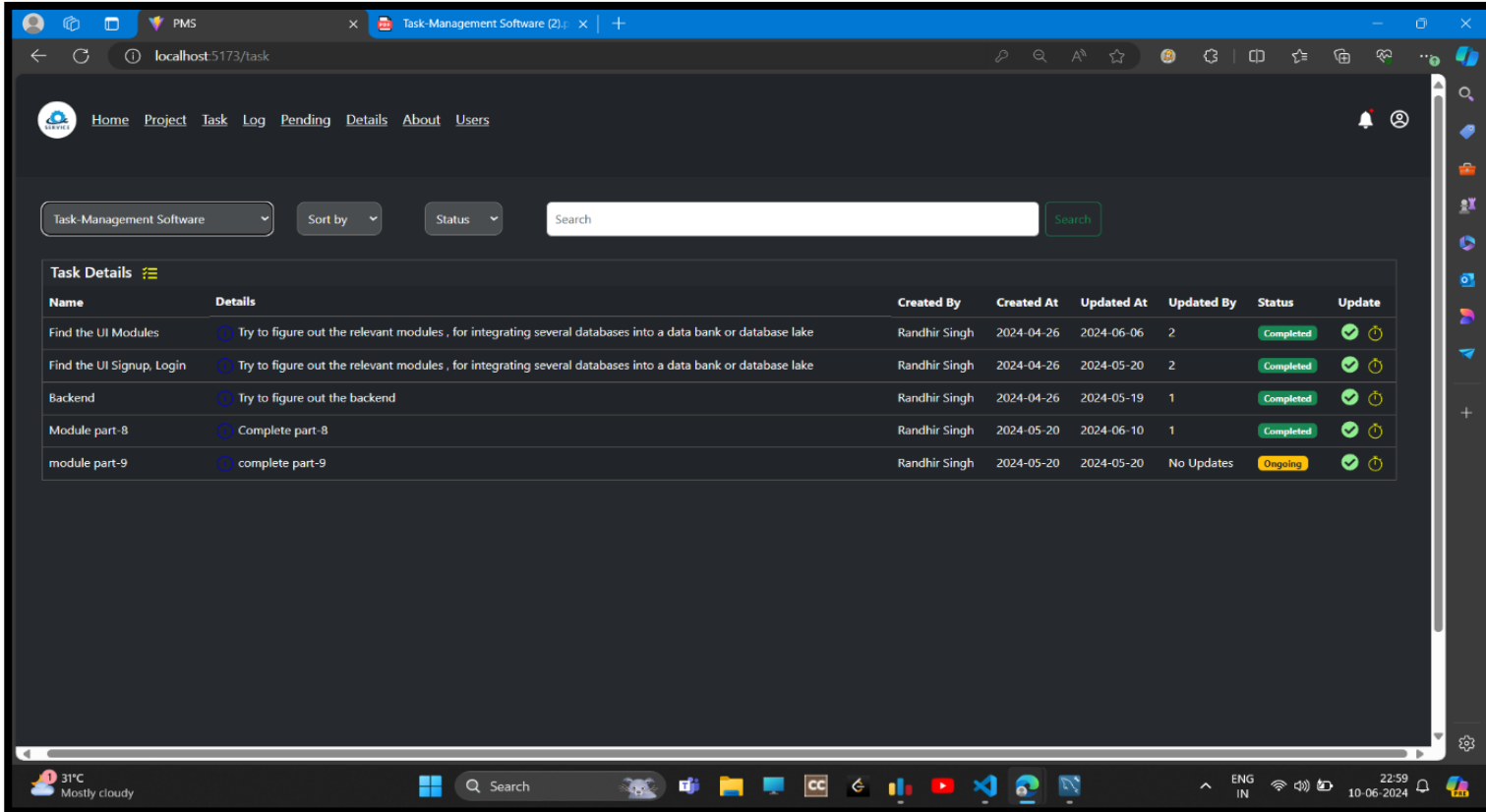- Admin can create and assign a new project to a manager

- Utilized Pdf-kit for generating and downloading the pdf.

- Implemented notification functionality by utilizing Socket.Io

- Profile – view

- Admin can change the task status

Logs

Name	Log Details	Start-Time	End-Time	Created At	Updated At	Project	Task	Status	Approval
Vedant Singh Rathore	Node, React module-5	10:33:00	14:40:00	2024-05-09	2024-06-10	Task-Management Software	Find the UI Signup, Login	✅	Checked ✏️
Vedant Singh Rathore	Node, React module-4	10:33:00	14:40:00	2024-05-09	2024-05-21	Task-Management Software	Find the UI Signup, Login	❌	Checked ✏️
Vedant Singh Rathore	Node, React module-3	10:33:00	14:40:00	2024-05-09	2024-05-22	Task-Management Software	Find the UI Signup, Login	❌	Checked ✏️
Vedant Singh Rathore	Node, React module-2	10:33:00	14:40:00	2024-05-09	2024-06-10	Task-Management Software	Find the UI Signup, Login	❌	Checked ✏️
Vedant Singh Rathore	Node, React module-1	10:33:00	14:40:00	2024-05-09	2024-05-19	Task-Management Software	Find the UI Signup, Login	✅	Checked ✏️
Vedant Singh Rathore	avishi	12:12:00	03:22:00	2024-05-19	2024-05-25	Task-Management Software	Find the UI Modules	✅	Checked ✏️
Vedant Singh Rathore	Full-stack module-5	06:33:00	07:00:00	2024-05-09	2024-05-19	Task-Management Software	Find the UI Modules	✅	Checked ✏️
Vedant Singh Rathore	Full-stack module-4	06:33:00	07:00:00	2024-05-09	2024-05-19	Task-Management Software	Find the UI Modules	✅	Checked ✏️
Vedant Singh Rathore	Full-stack module-3	06:33:00	07:00:00	2024-05-09	2024-05-19	Task-Management Software	Find the UI Modules	✅	Checked ✏️
Vedant Singh Rathore	Full-stack module-2	06:33:00	07:00:00	2024-05-09	2024-05-19	Task-Management Software	Find the UI Modules	✅	Checked ✏️
Vedant Singh Rathore	Full-stack module-1	06:33:00	07:00:00	2024-05-09	2024-06-10	Task-Management Software	Find the UI Modules	❌	Checked ✏️
Vedant Singh Rathore	Displaying the userinfo	04:00:00	10:00:00	2024-04-26	2024-05-21	Task-Management Software	Find the UI Modules	❌	Checked ✏️

- Admin can view the logs, change the log status, update the log status etc.

Detail: Node, React module-5

Screenshot 1:

PMS — Task-Management Software (2).p
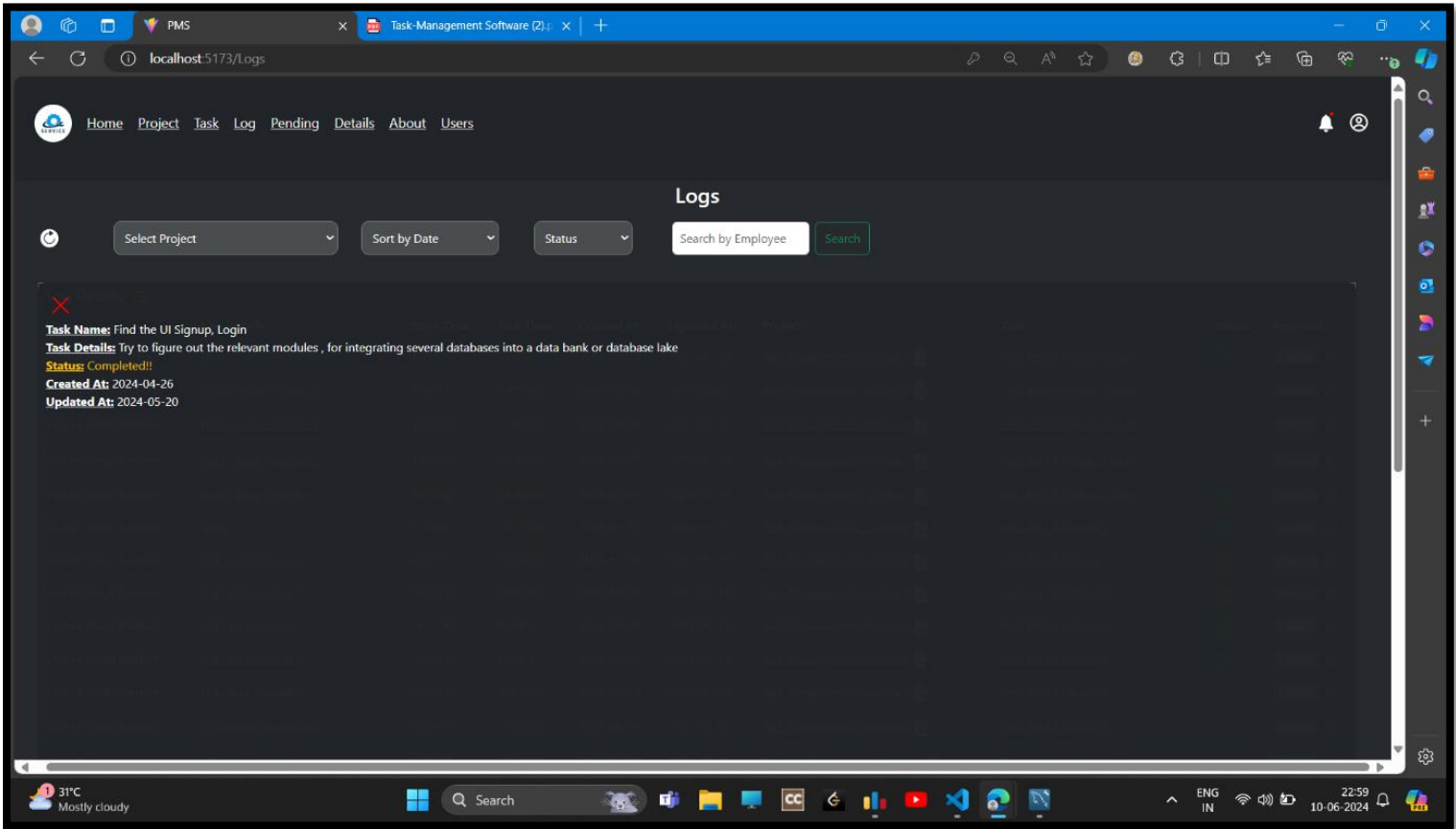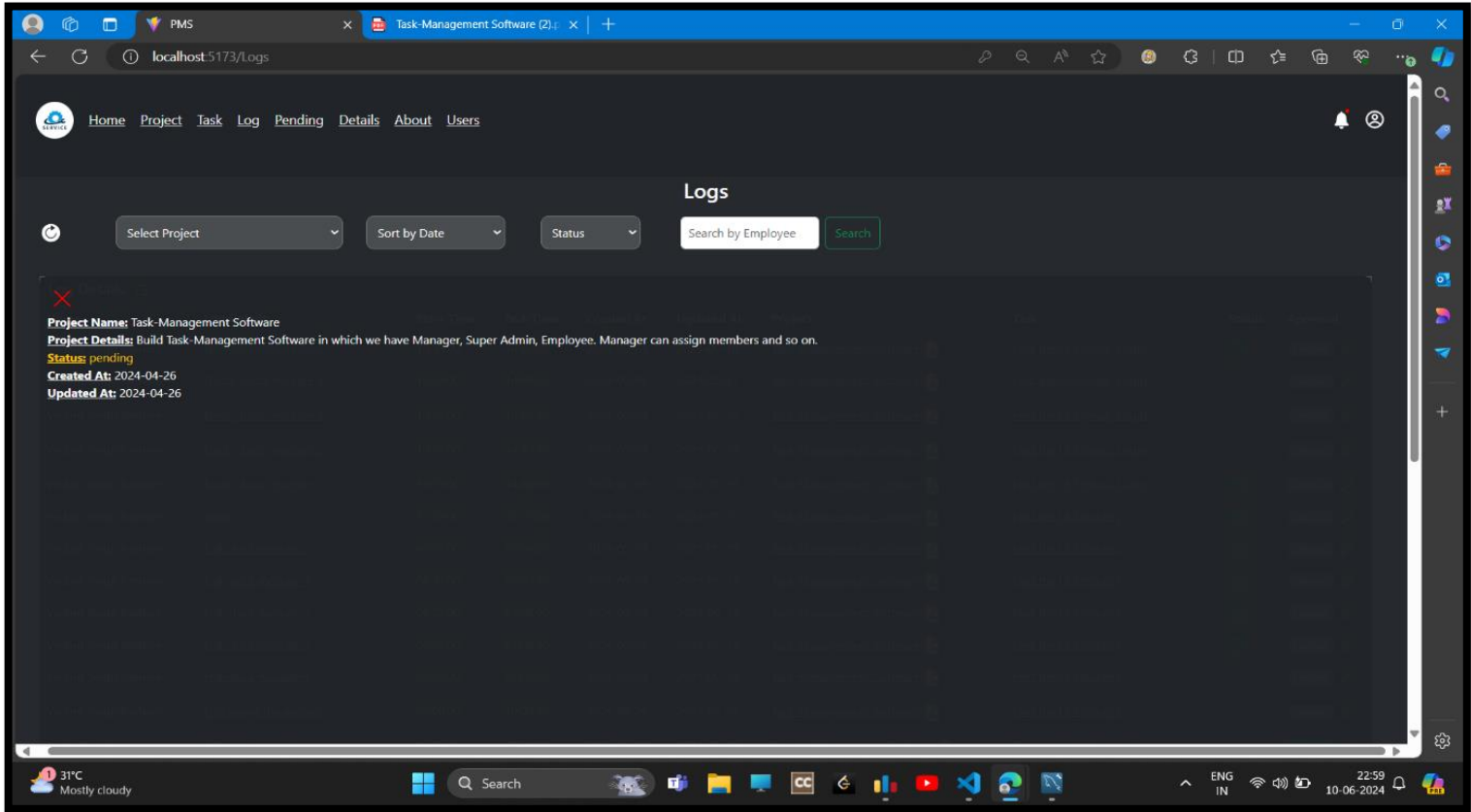
localhost:5173/Logs

Home Project Task Log Pending Details About Users

Logs

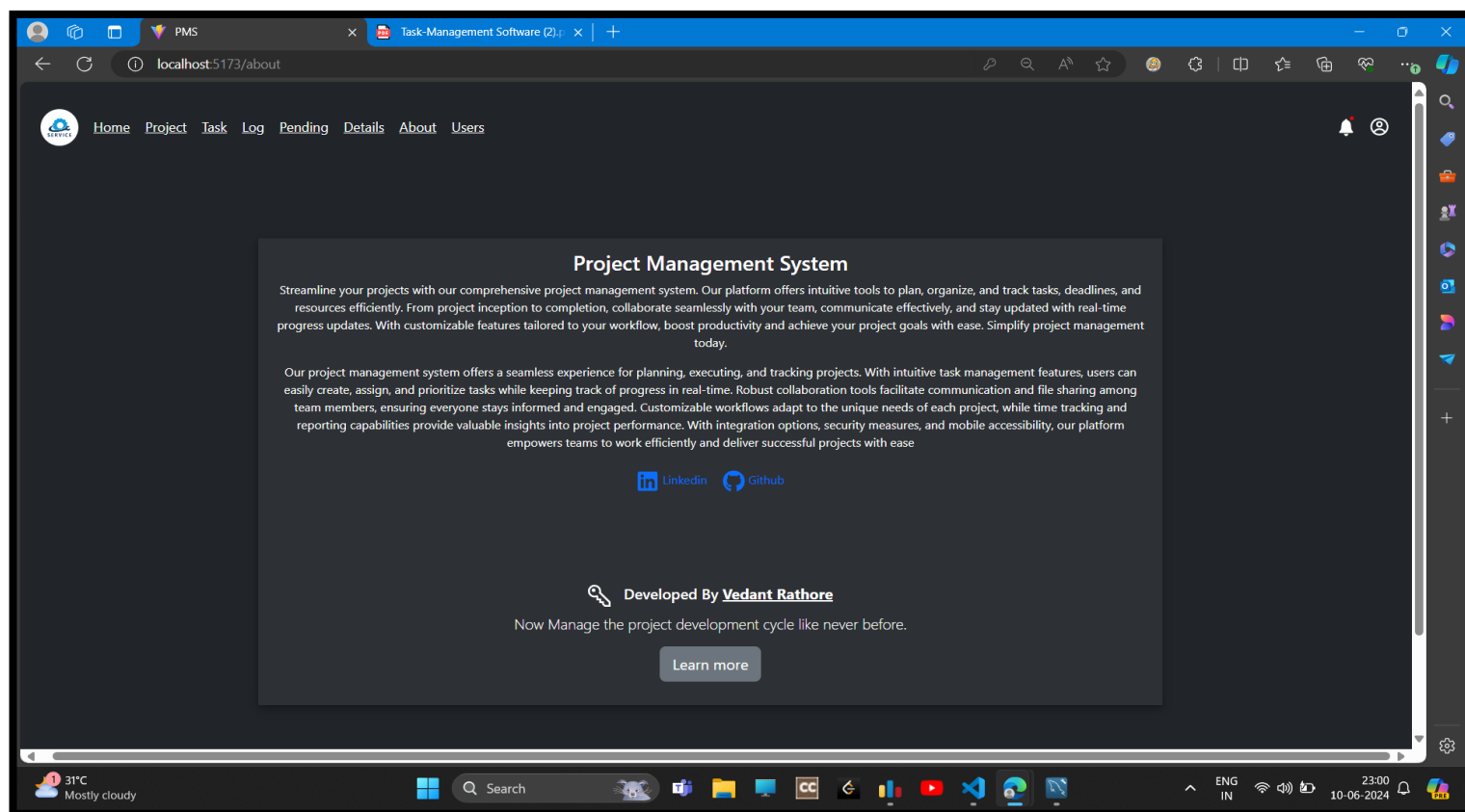Select Project | Sort by Date | Status | Search by Employee | Search

Project Name: Task-Management Software
Project Details: Build Task-Management Software in which we have Manager, Super Admin, Employee. Manager can assign members and so on.
Status: pending
Created At: 2024-04-26
Updated At: 2024-04-26

31°C
Mostly cloudy

ENG IN   22:59   10-06-2024

Screenshot 2:

PMS — Task-Management Software (2).p

localhost:5173/Logs

Home Project Task Log Pending Details About Users

Logs

Select Project | Sort by Date | Status | Search by Employee | Search

Task Name: Find the UI Signup, Login
Task Details: Try to figure out the relevant modules , for integrating several databases into a data bank or database lake
Status: Completed!!
Created At: 2024-04-26
Updated At: 2024-05-20

31°C
Mostly cloudy

ENG IN   22:59   10-06-2024

- Only Admin can Register a new user, update its credentials and can directly mail the manager or employee and much more.

localhost:5173/All-Users

All Members 👥

Search By Name

Search

Sort by

Select By Role

Register User 👤

✕

Edit User Details 👤

Name

Randhir Singh

Role

Role

want to change the **password?**

Update

- Manager can view all the projects assigned to him/her by Admin.
- Manager can view logs, change the log-status, add task, update task status, add members etc.
- Project dashboard – Manager is having access to project details, task details, members.

- Manager can update the task-status which will be instantly notified to the admin and all the assigned members.

- Manager can view logs, update log, change log-status and much more.

- **Employee can view logs, add logs in a task only of assigned projects.**

- **Employee can add log in a task in the assigned project only.**
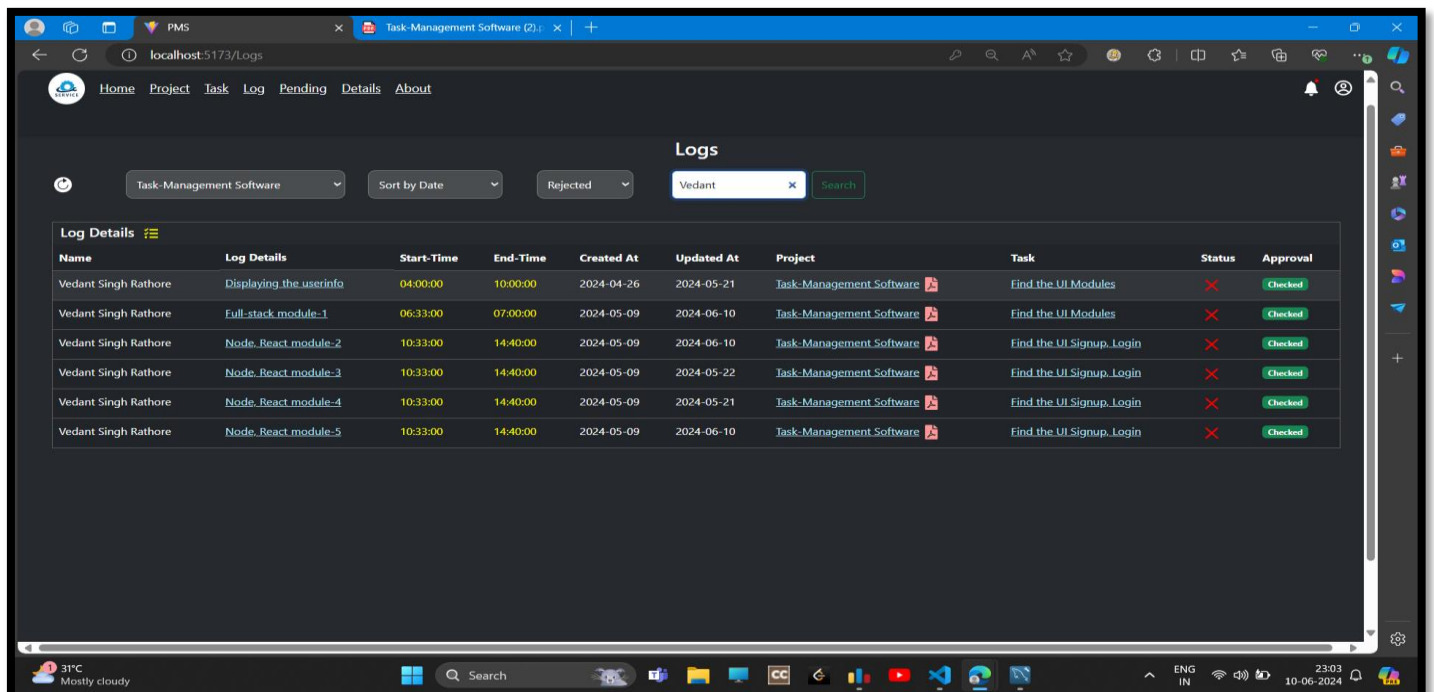
- **Employee can view logs, log-status without having the power to change the log-status.**
- **Log-status can only be changed by Admin or the manager assigned in this project.**

Thank You