

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.

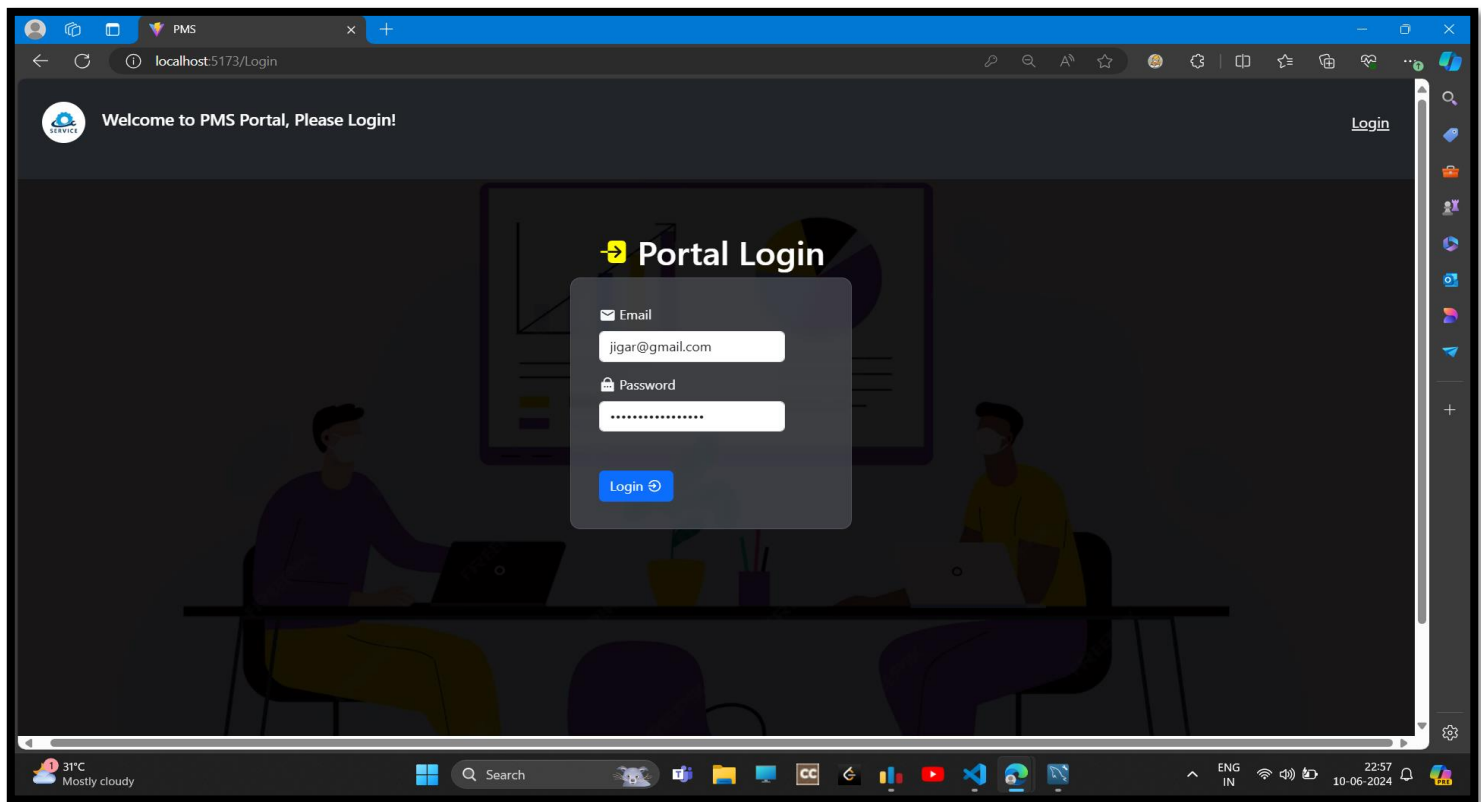
One of the key highlights was successfully managing conditional rendering on both the front end and backend, catering to the distinct roles of Admins, Managers, and Employees. This ensured a smooth user experience across the board.

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.

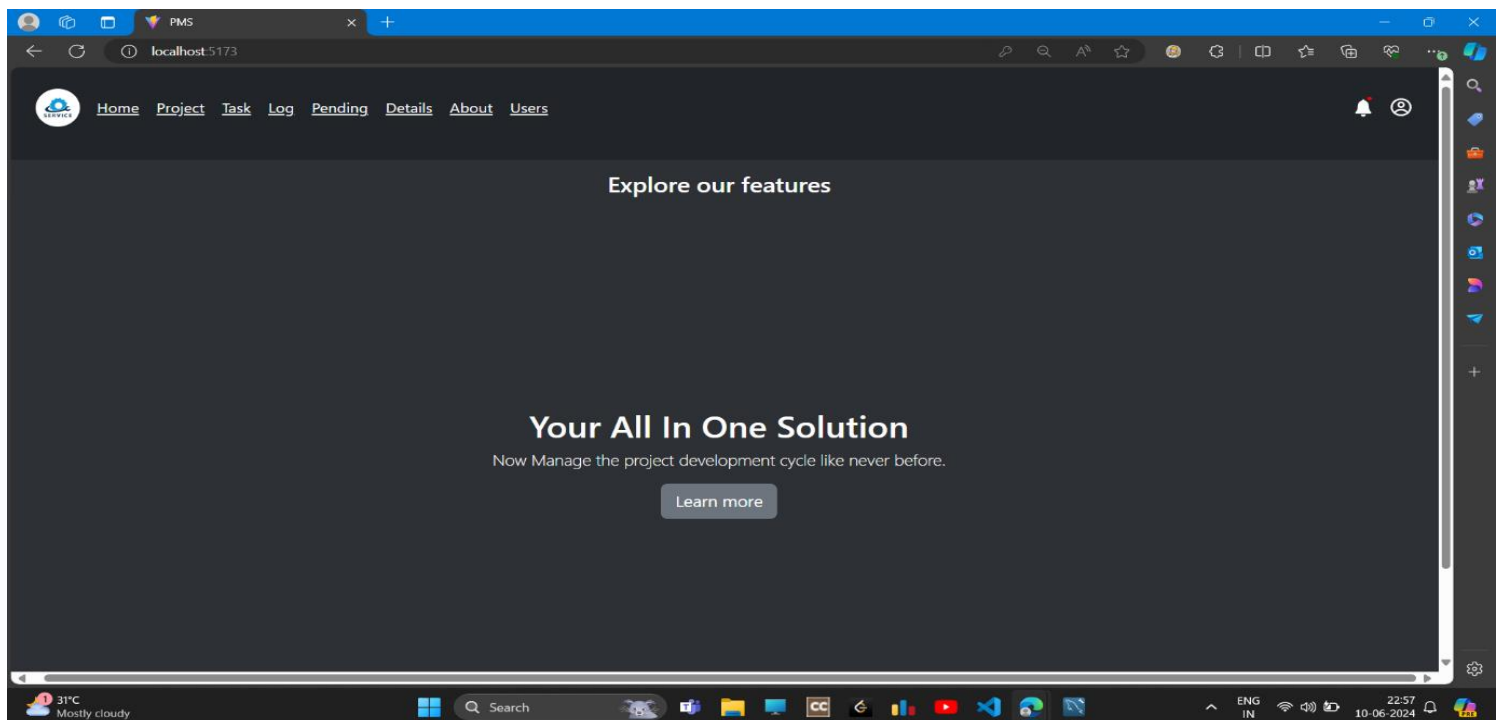
Moreover, I leveraged Pdf-kit and React-PDF for dynamic PDF generation and [Socket.IO](#) for real-time notifications, enhancing the system's functionality and user engagement.

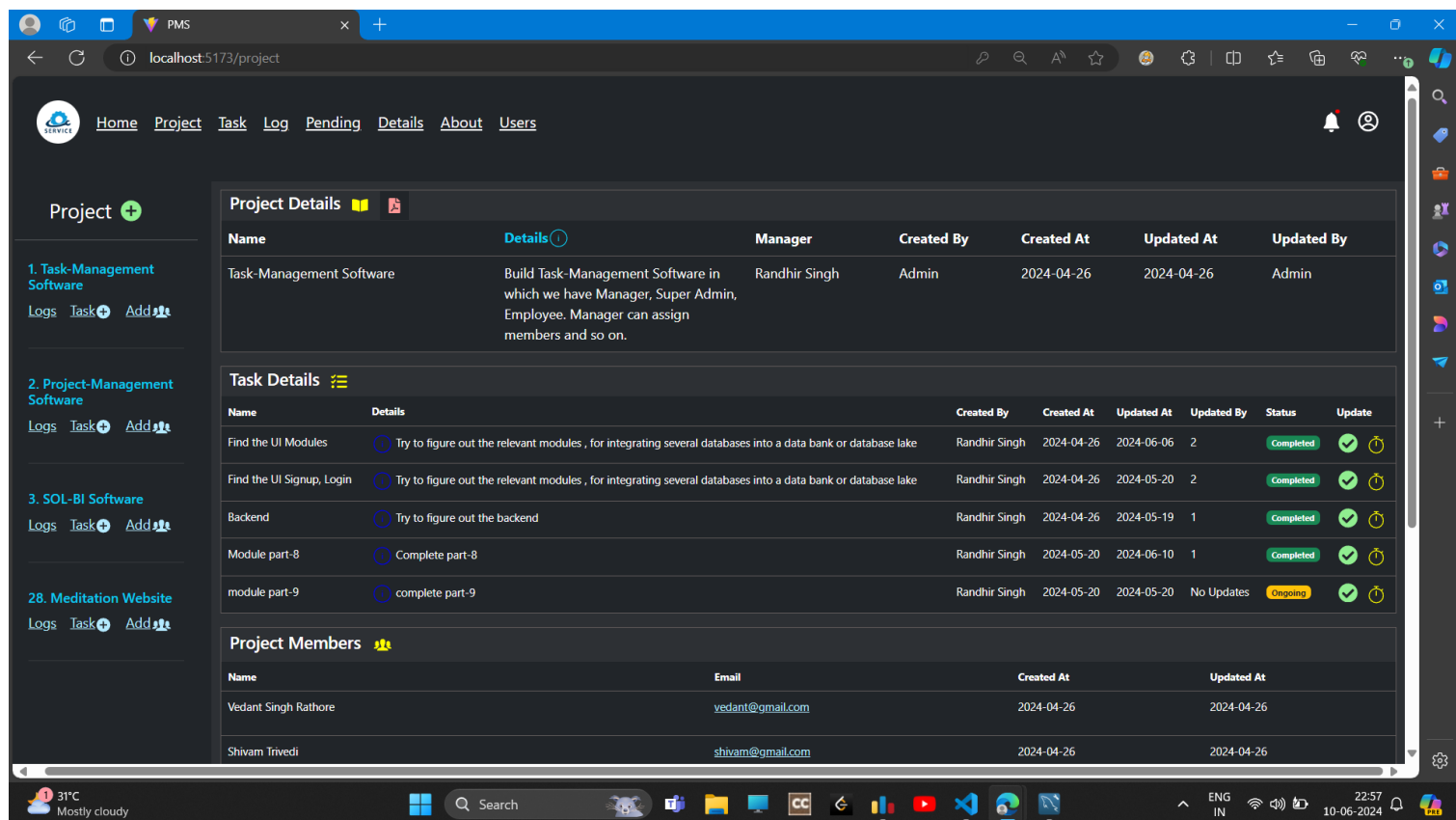
Looking ahead, my focus shifts to deployment and further enhancements. I'm excited to implement chat functionality and dive into learning D3.js for visualizing task and project status. Stay tuned for more updates!

Role - Admin

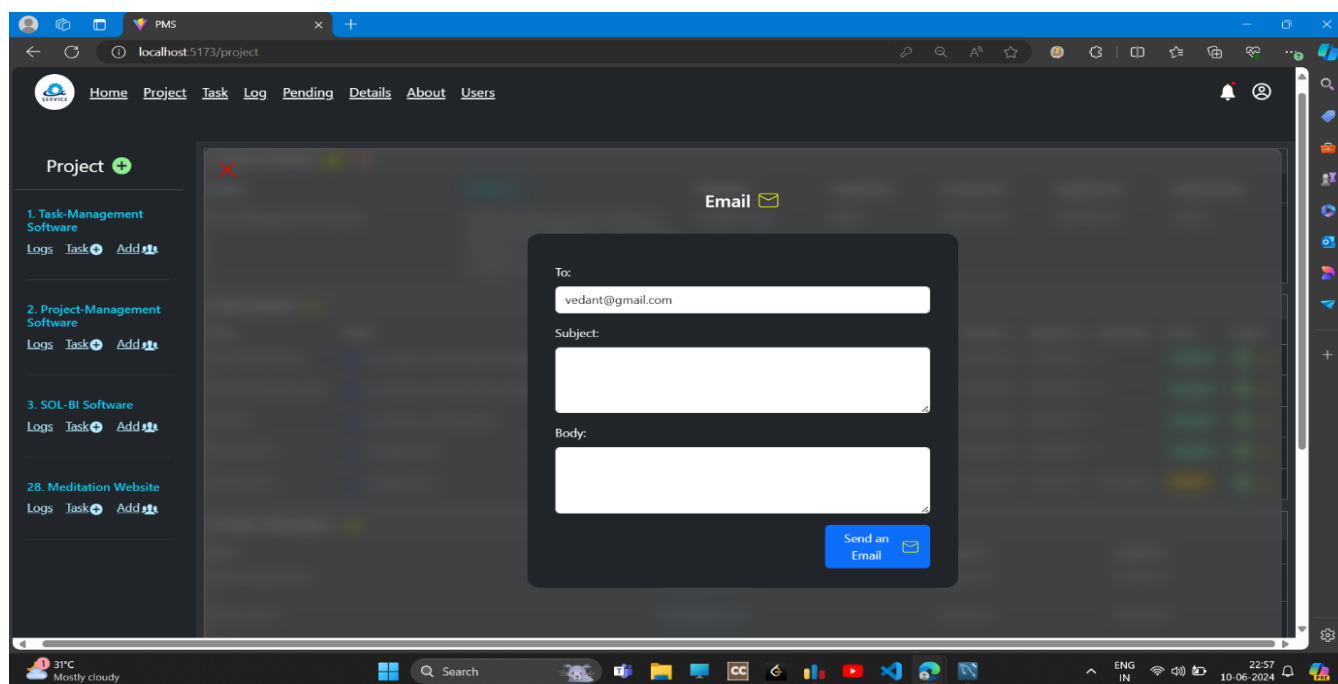


- Admin logs In
- Implemented two-way authentication
- Successfully handling the token on both front-end and backend





- 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.

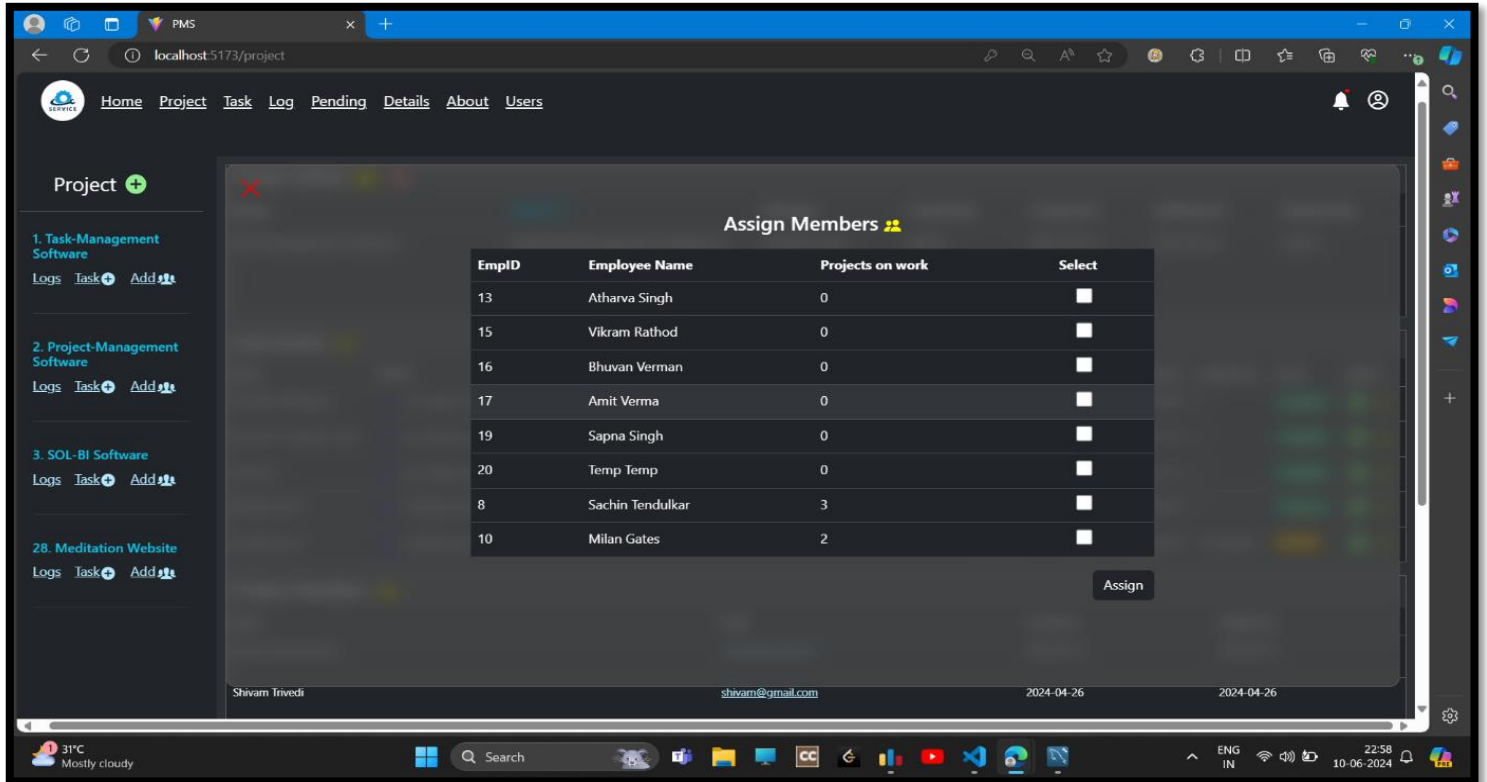
The screenshot displays the PMS application interface. The top navigation bar includes links for Home, Project, Task, Log, Pending, Details, About, and Users. The left sidebar lists three projects: 1. Task-Management Software, 2. Project-Management Software, and 3. SOL-BI Software, each with links for Logs, Task, and Add. The main content area is titled 'Project Details' and shows information for 'Task-Management Software'. Below this, the 'Log Details' section contains a table of task logs.

Name	Log Description	Start time	End time	Task Name	Created At	Updated At	Status	Checked By
Vedant Singh Rathore	avishi	12:12:00	03:22:00	Find the UI Modules	2024-05-19	2024-05-25	approved	1
Vedant Singh Rathore	Full-stack module-5	06:33:00	07:00:00	Find the UI Modules	2024-05-09	2024-05-19	approved	2
Vedant Singh Rathore	Node, React module-5	10:33:00	14:40:00	Find the UI Signup.Login	2024-05-09	2024-06-10	approved	1
Vedant Singh Rathore	Node, React module-4	10:33:00	14:40:00	Find the UI Signup.Login	2024-05-09	2024-05-21	rejected	1

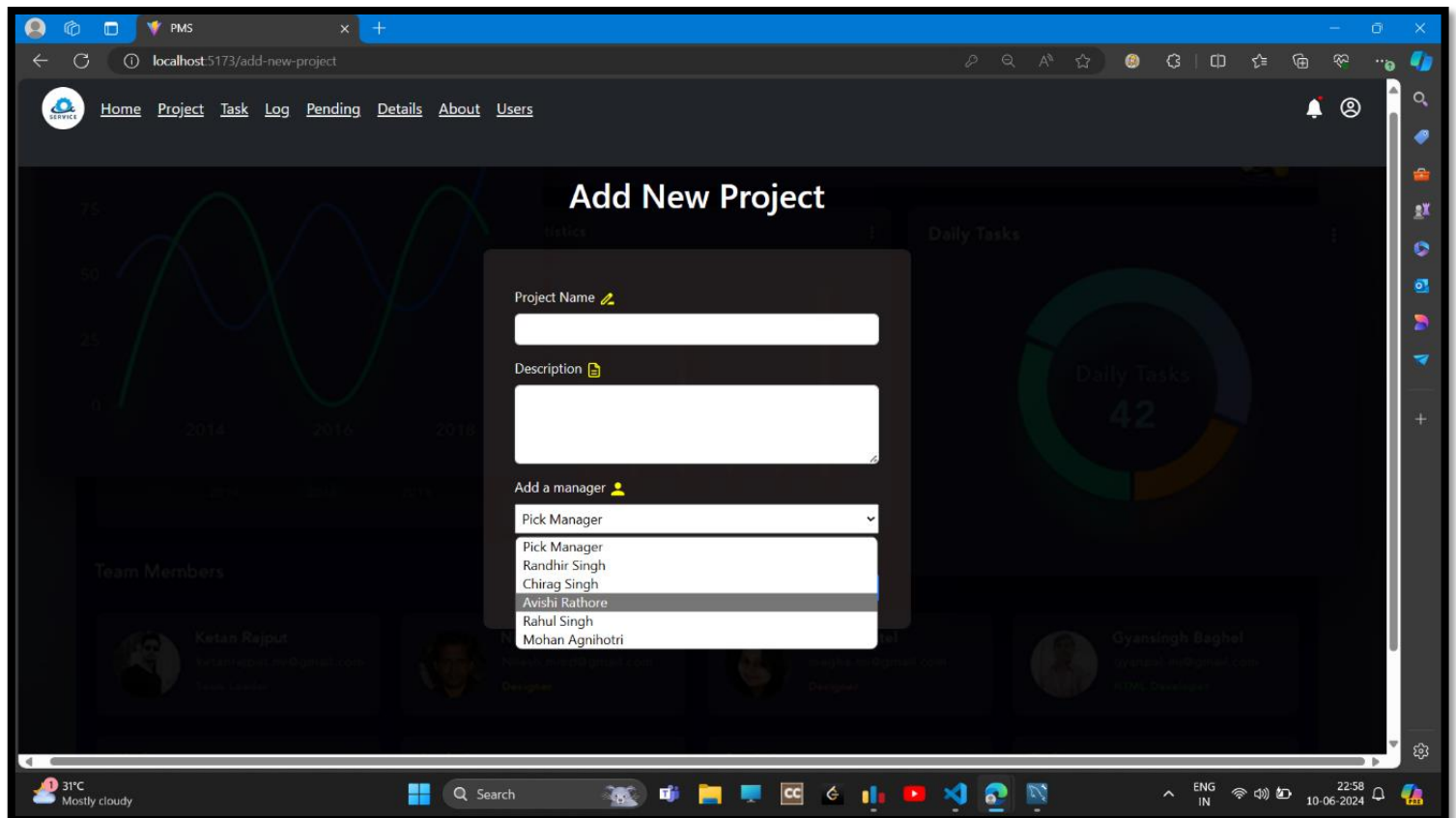
The screenshot displays the PMS application interface with the 'Add Task' form open. The form includes fields for Task Name, Task Details, and Estimated Time, along with an 'Add' button. The background is dimmed to show the project details and log details from the previous screenshot.

Shivam Trivedi shivam@gmail.com 2024-04-26 2024-04-26

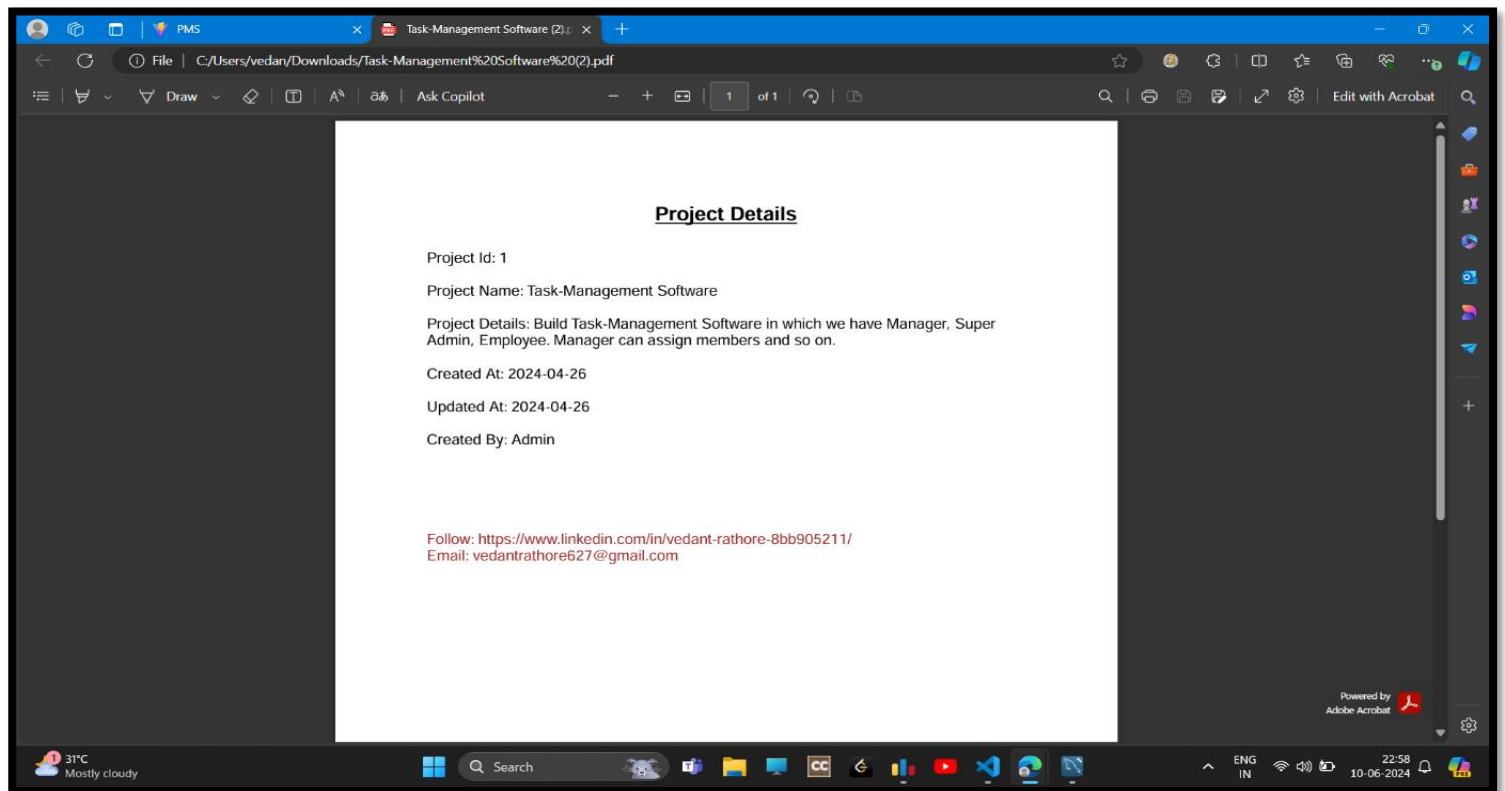
- Admin can view logs, add task, add members etc.



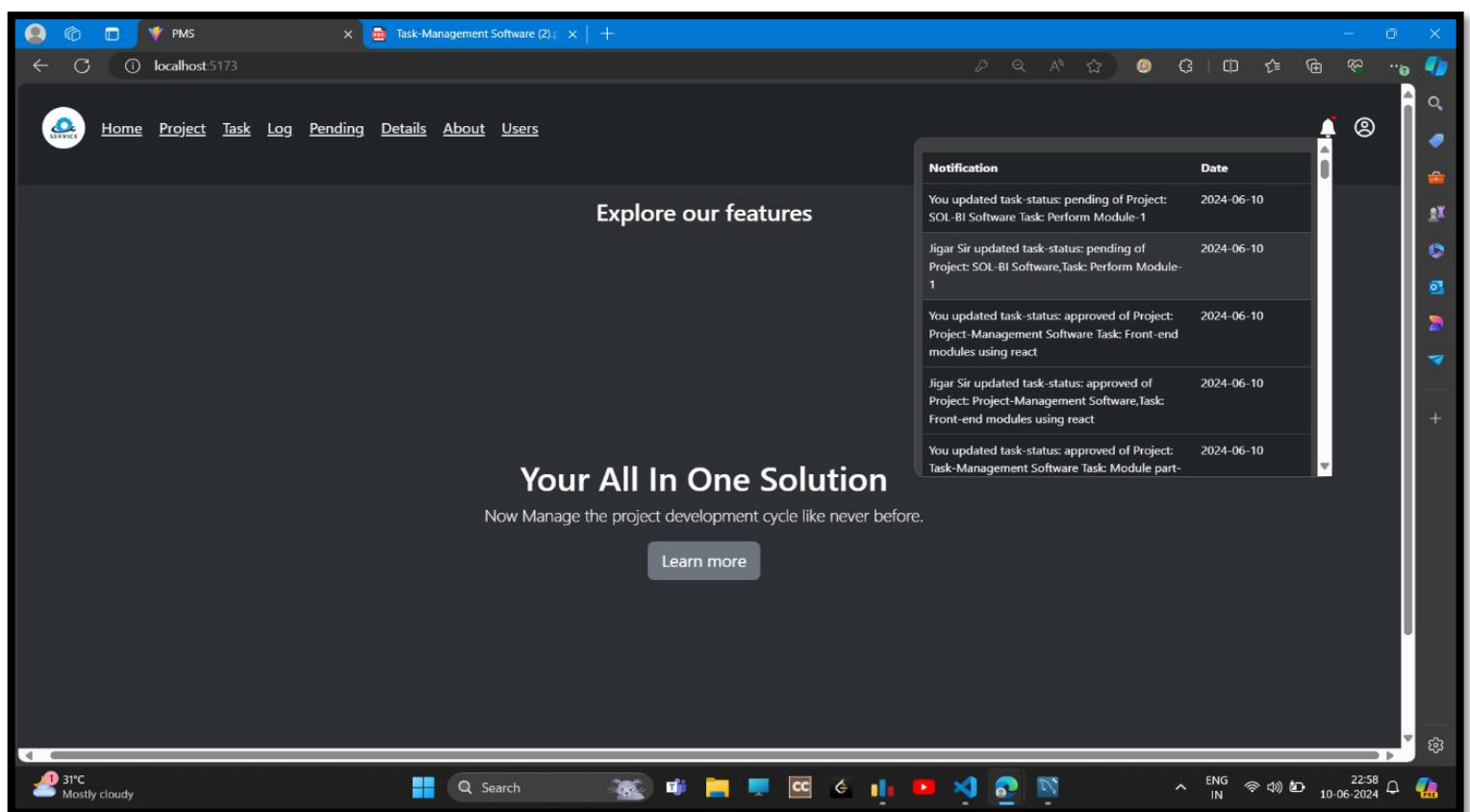
- Admin can assign members in a project



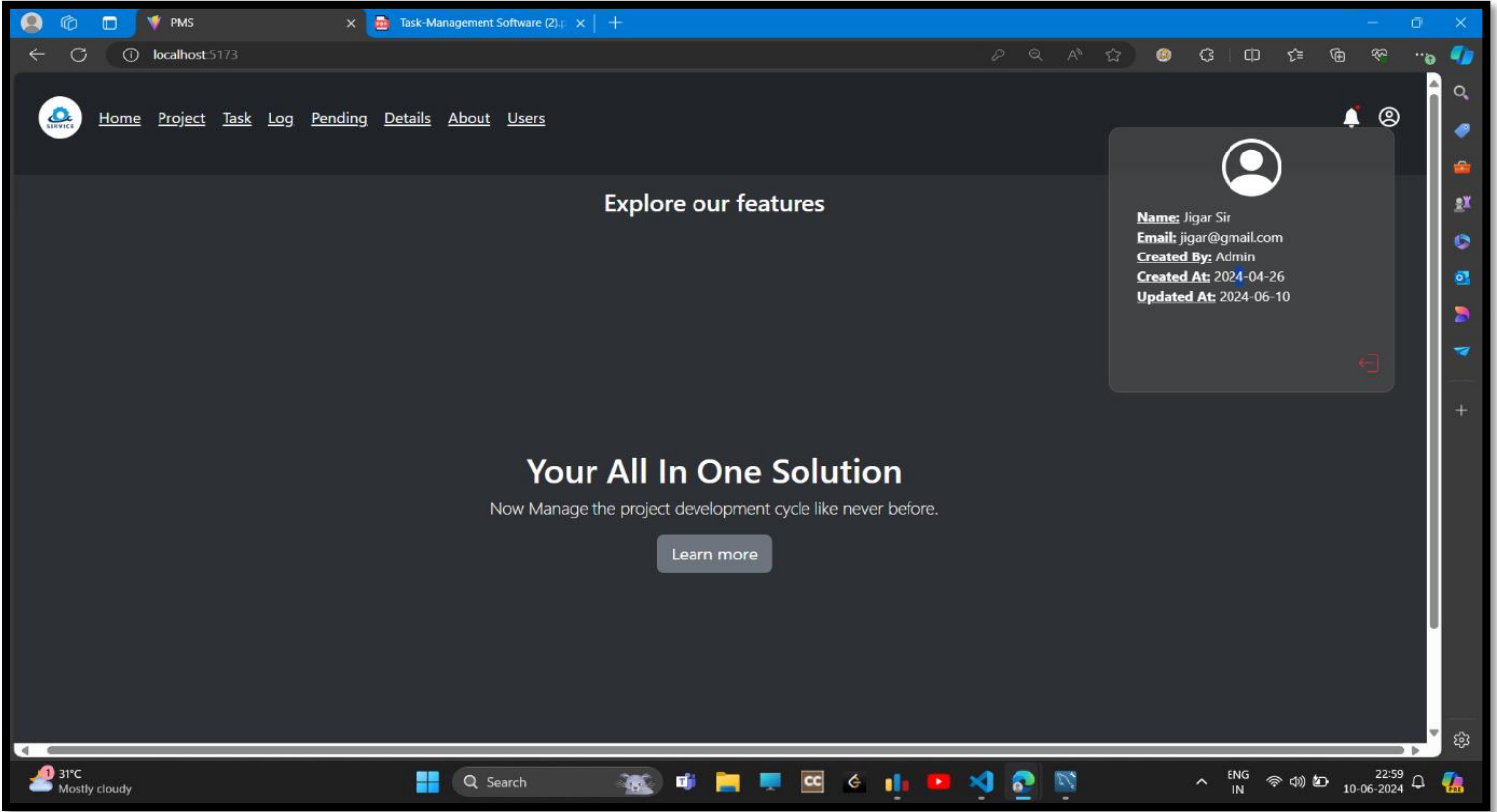
- Admin can create and assign a new project to a manager



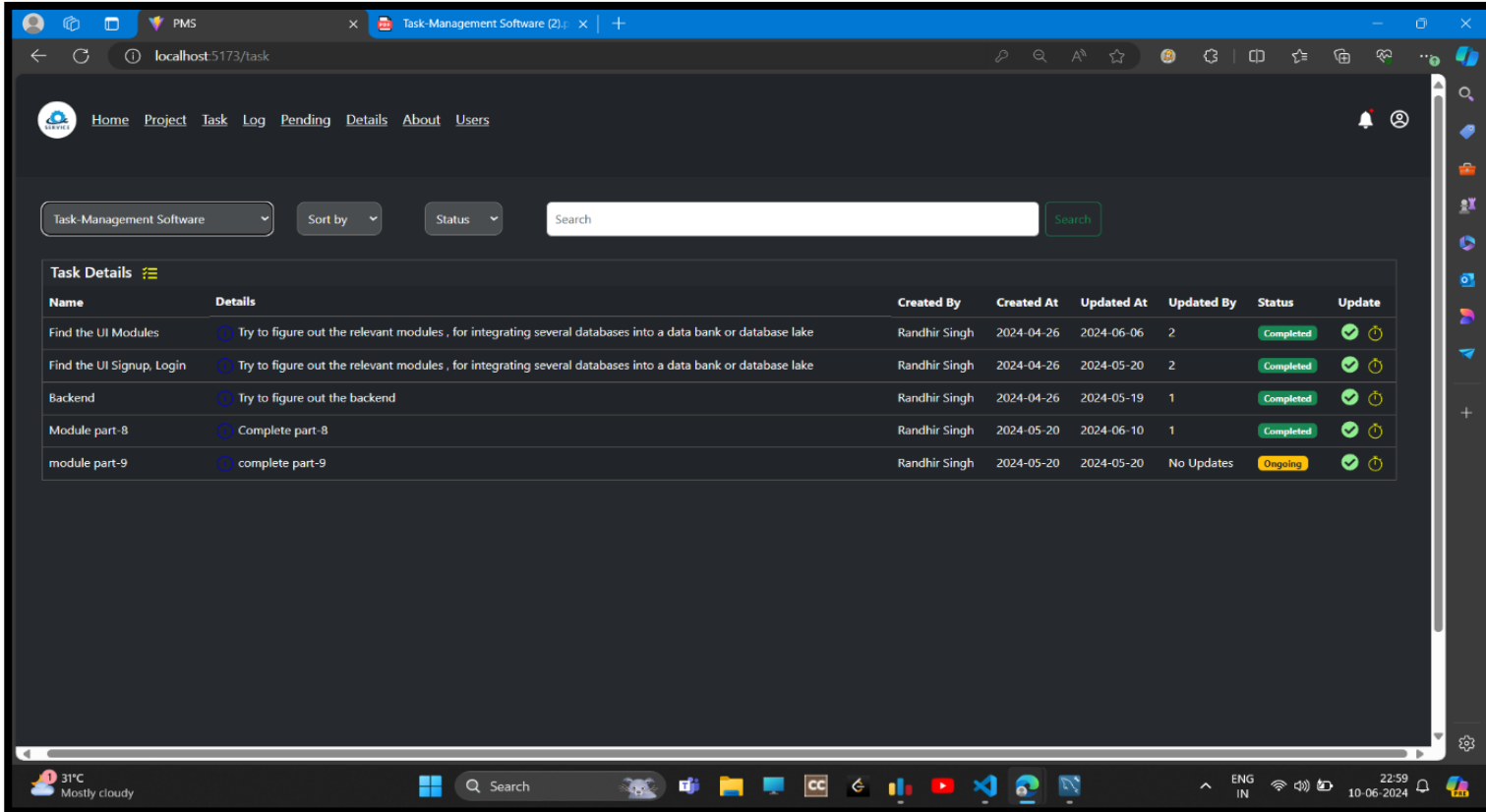
- Utilized Pdf-kit for generating and downloading the pdf.



- Implemented notification functionality by utilizing Socket.io



- Profile – view



- Admin can change the task status

Task-Management Software (2)

localhost:5173/Logs

Home Project Task Log Pending Details About Users

Logs

Select Project Sort by Date Status Search by Employee Search

Log Details

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.

Task-Management Software (2)

localhost:5173/Logs

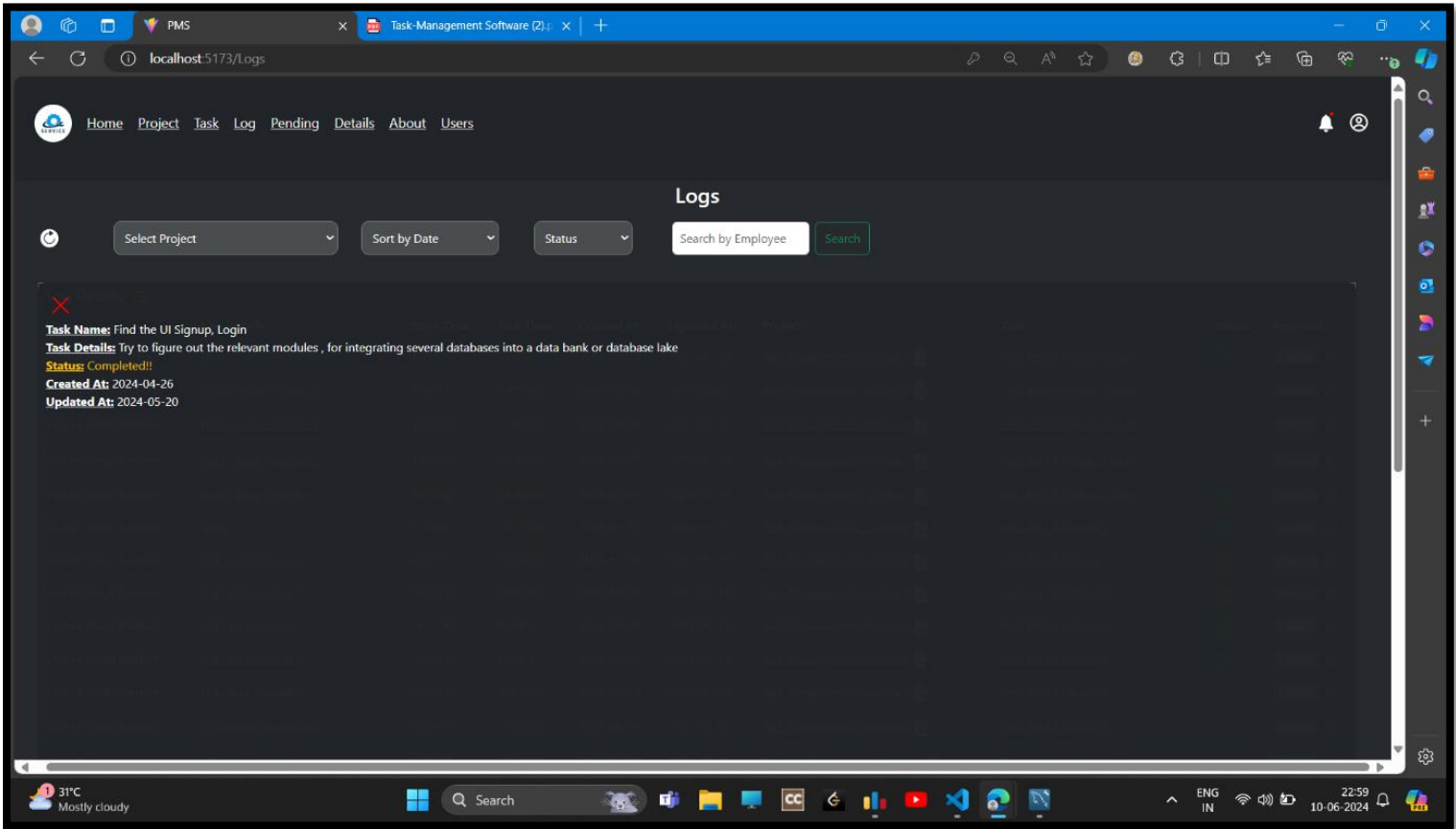
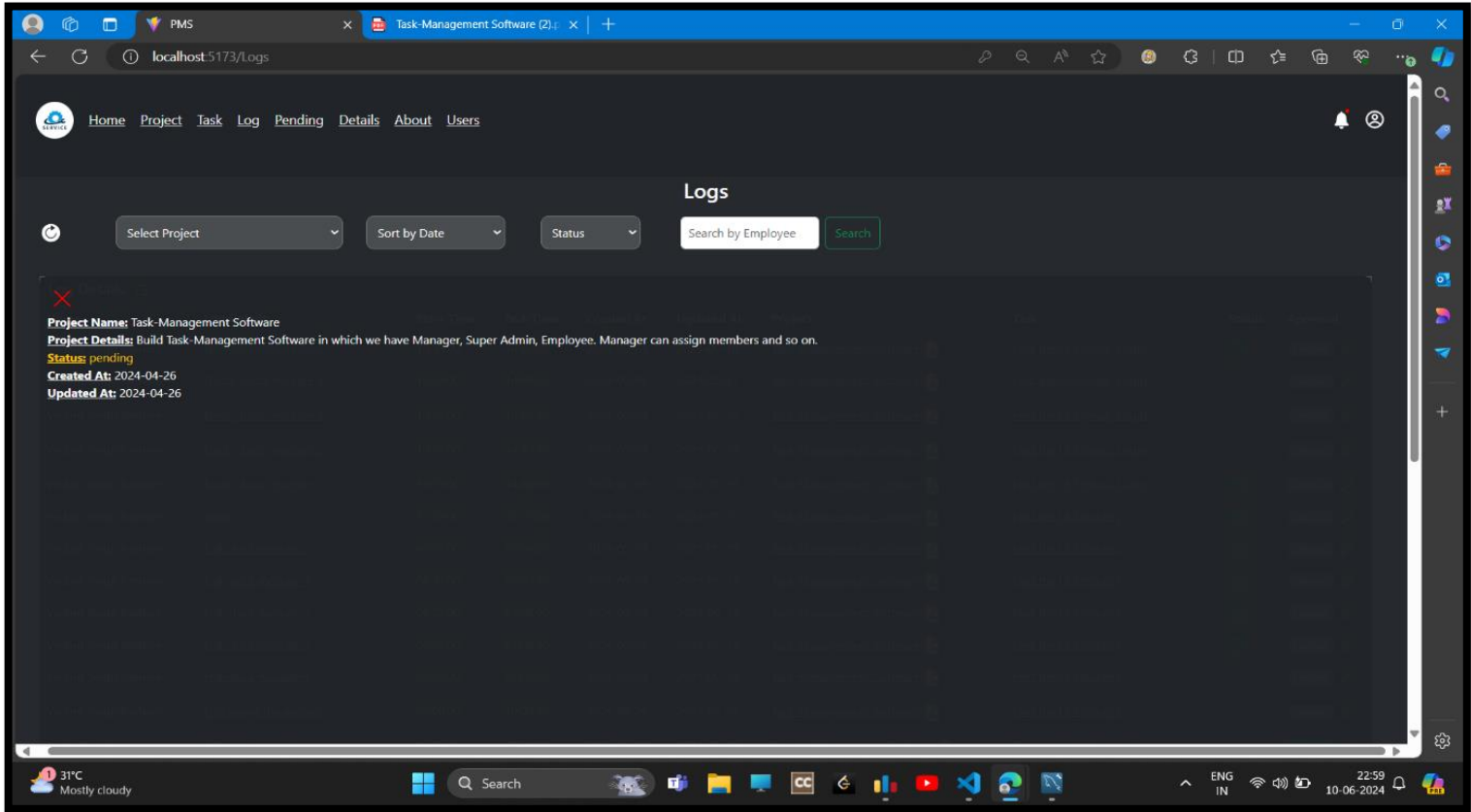
Home Project Task Log Pending Details About Users

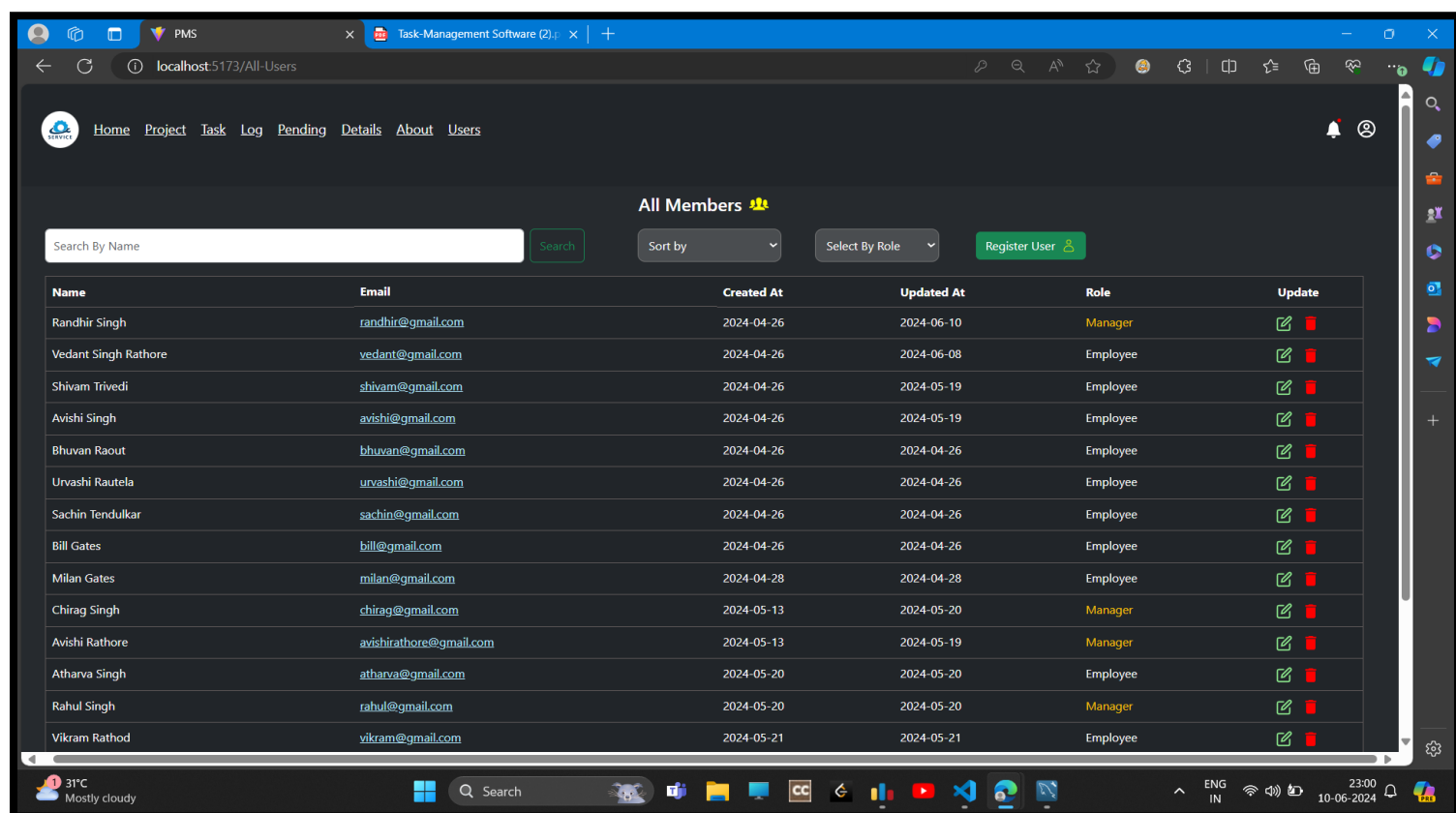
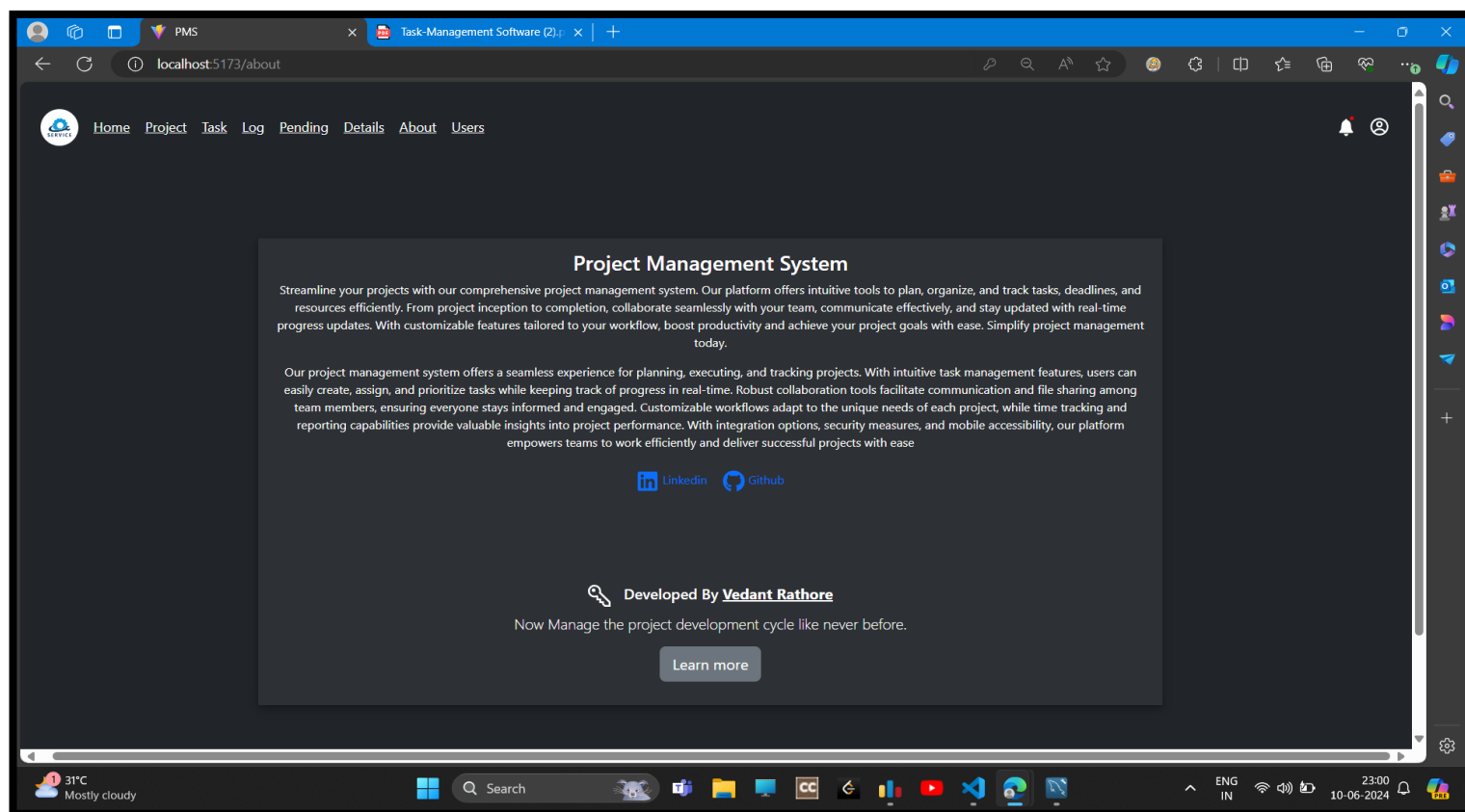
Logs

Select Project Sort by Date Status Search by Employee Search

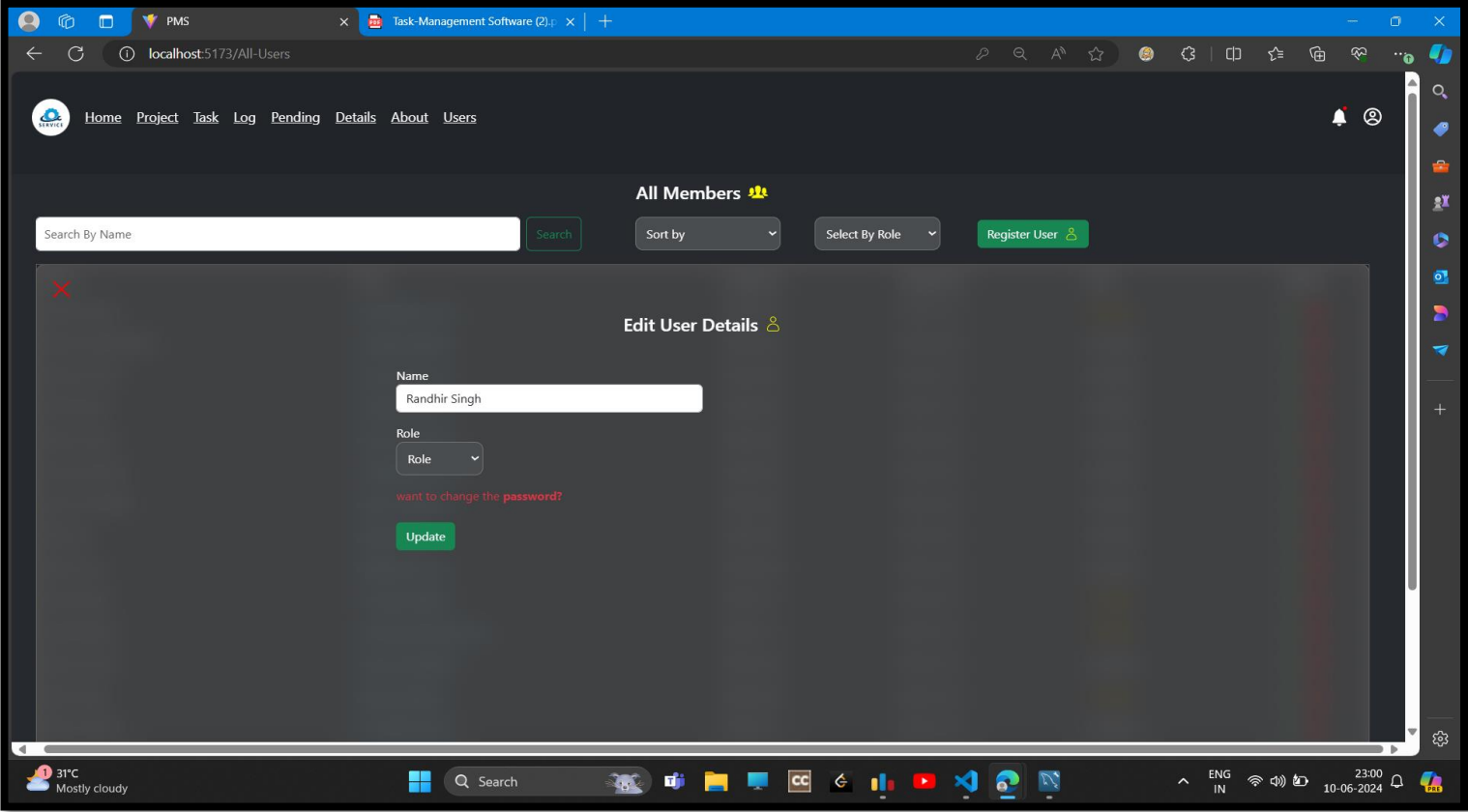
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Details: Node, React module-5





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



Role - Manager

The screenshot displays the 'Project' page of the Task-Management Software (TMS) interface. The page is divided into three main sections: Project Details, Task Details, and Project Members.

Project Details

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

Task Details

Name	Details	Created By	Created At	Updated At	Updated By	Status	Update
Find the UI Modules	Try to figure out the relevant modules, for integrating several databases into a data bank or database lake	Randhir Singh	2024-04-26	2024-06-06	2	Completed	✓ ⌚
Find the UI Signup, Login	Try to figure out the relevant modules, for integrating several databases into a data bank or database lake	Randhir Singh	2024-04-26	2024-05-20	2	Completed	✓ ⌚
Backend	Try to figure out the backend	Randhir Singh	2024-04-26	2024-05-19	1	Completed	✓ ⌚
Module part-8	Complete part-8	Randhir Singh	2024-05-20	2024-06-10	1	Completed	✓ ⌚
module part-9	complete part-9	Randhir Singh	2024-05-20	2024-05-20	No Updates	Ongoing	✓ ⌚

Project Members

Name	Email	Created At	Updated At
Vedant Singh Rathore	vedant@gmail.com	2024-04-26	2024-04-26
Shivam Trivedi	shivam@gmail.com	2024-04-26	2024-04-26
Randhir Singh	randhir@gmail.com	2024-05-20	2024-05-20
Randhir Singh	randhir@gmail.com	2024-05-20	2024-05-20

- 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.

The screenshot displays the 'Task' page of the Task-Management Software (TMS) interface. The page shows the 'Task Details' section with a list of tasks. A notification overlay is visible on the right side of the screen.

Task Details

Name	Details	Created By
Front-end modules using react	Try to built the Front-end components using react for signin, login, project data and so on	Jigar Sir
Front-end modules using react	Test the UI-components with data from the server	Jigar Sir

Notification

Notification	Date
You updated task-status: pending of Project: Project-Management Software Task: Front-end modules using react	2024-06-10
Jigar Sir updated task-status: approved of Project: Task-Management Software, Task: Module part-8	2024-06-10
Vedant Singh Rathore added a new log in Project: SOL-BI Software under Task: Perform Module-1	2024-06-08
You updated task-status: pending of Project: Task-Management Software Task: Module part-8	2024-06-06
Randhir Va updated task-status: pending of Project: Task-Management Software, Task: Module part-8	2024-06-06
You updated task-status: approved of Project: Task-Management Software Task: Find the UI Modules	2024-06-06
Randhir Verma updated task-status: approved of	2024-06-06

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

Task-Management Software (2) x | +

localhost:5173/Logs

Home Project Task Log Pending Details About

Logs

Task-Management Software Sort by Date Approved Vedant Search

Log Details

Name	Log Details	Start-Time	End-Time	Created At	Updated At	Project	Task	Status	Approval
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-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-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-5	06:33:00	07:00:00	2024-05-09	2024-05-19	Task-Management Software	Find the UI Modules	✓	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	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 ✓ ✗

31°C Mostly cloudy 23:02 10-06-2024

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

Role – Employee

Project Details

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

Task Details

Name	Details	Created By	Created At	Updated At	Updated By	Status	Add Log
Find the UI Modules	Try to figure out the relevant modules , for integrating several databases into a data bank or database lake	Randhir Singh	2024-04-26	2024-06-06	2	Completed	+
Find the UI Signup, Login	Try to figure out the relevant modules , for integrating several databases into a data bank or database lake	Randhir Singh	2024-04-26	2024-05-20	2	Completed	+
Backend	Try to figure out the backend	Randhir Singh	2024-04-26	2024-05-19	1	Completed	+
Module part-8	Complete part-8	Randhir Singh	2024-05-20	2024-06-10	1	Completed	+
module part-9	complete part-9	Randhir Singh	2024-05-20	2024-05-20	No Updates	Ongoing	+

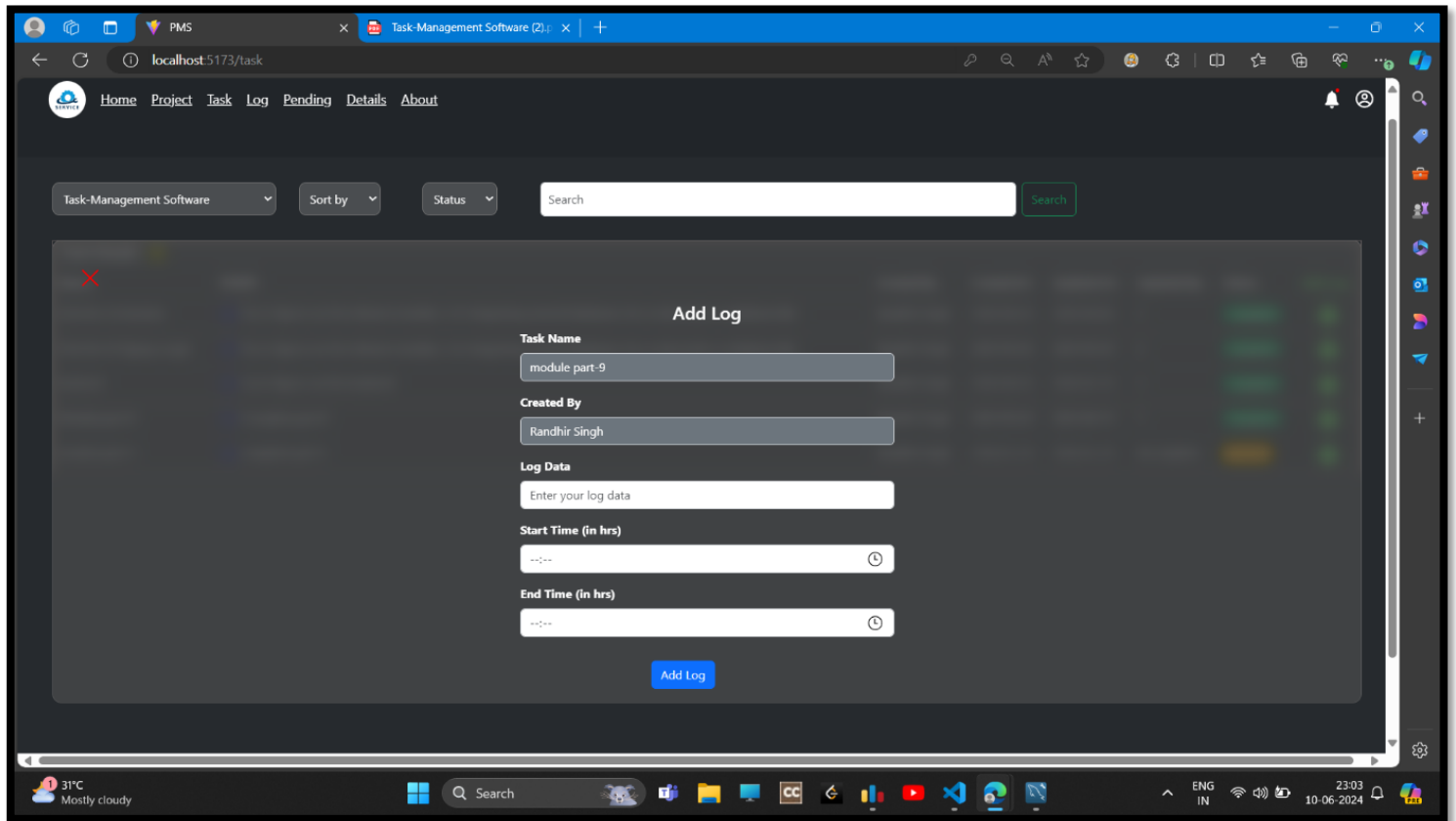
Project Members

Name	Email	Created At	Updated At
Vedant Singh Rathore	vedant@gmail.com	2024-04-26	2024-04-26
Shivam Trivedi	shivam@gmail.com	2024-04-26	2024-04-26
Randhir Singh	randhir@gmail.com	2024-05-20	2024-05-20
Randhir Singh	randhir@gmail.com	2024-05-20	2024-05-20

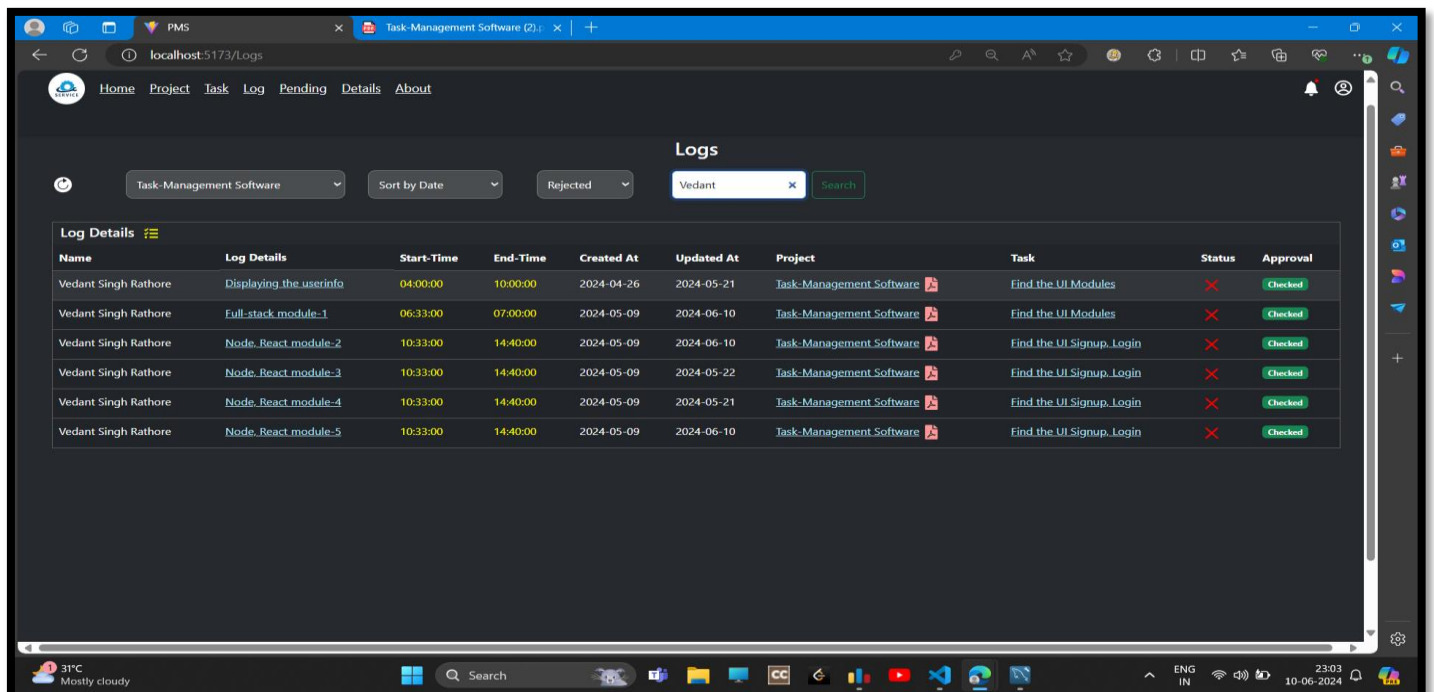
- Employee can view logs, add logs in a task only of assigned projects.

Task Details

Name	Details	Created By	Created At	Updated At	Updated By	Status	Add Log
Find the UI Modules	Try to figure out the relevant modules , for integrating several databases into a data bank or database lake	Randhir Singh	2024-04-26	2024-06-06	2	Completed	+
Find the UI Signup, Login	Try to figure out the relevant modules , for integrating several databases into a data bank or database lake	Randhir Singh	2024-04-26	2024-05-20	2	Completed	+
Backend	Try to figure out the backend	Randhir Singh	2024-04-26	2024-05-19	1	Completed	+
Module part-8	Complete part-8	Randhir Singh	2024-05-20	2024-06-10	1	Completed	+
module part-9	complete part-9	Randhir Singh	2024-05-20	2024-05-20	No Updates	Ongoing	+



- 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