

TASK MANAGEMENT APPLICATION

Front-end link: <https://github.com/vijaisuria/task-crud-react>

Back-end link: <https://github.com/vijaisuria/task-management-rest-api-spring>

Objective: -

The primary goal of this project is to develop a robust web-based Task Management System. This system aims to provide users with a seamless platform for creating, updating, and managing tasks efficiently. The objective includes implementing a secure backend infrastructure, offering RESTful API endpoints for task operations, ensuring user authentication, and creating an intuitive frontend interface for a user-friendly experience. The system's core focus is on providing a comprehensive and organized solution for effective task management.

Tech-Stack: -

Backend (Java):

- Framework: Spring Boot
- API Development: RESTful API
- User Authentication: Java Spring Security Framework
- Database: MySQL
- Operations: CRUD (Create, Read, Update, Delete)

Frontend (React.js):

- Framework: React.js
- UI Design: Material UI
- Functionality: Task display, creation, update, deletion, completion tracking
- Design Principles: Emphasis on clean and intuitive interface
- Integration: Connection with backend through API endpoints

Significance:

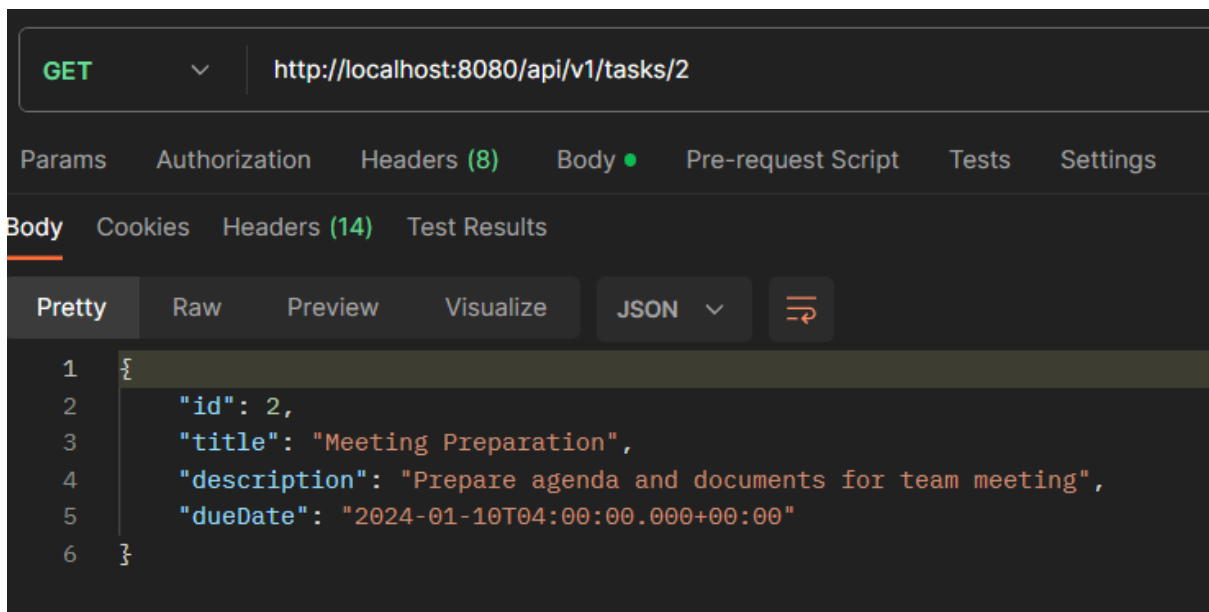
The main significance of this projects are as follow,

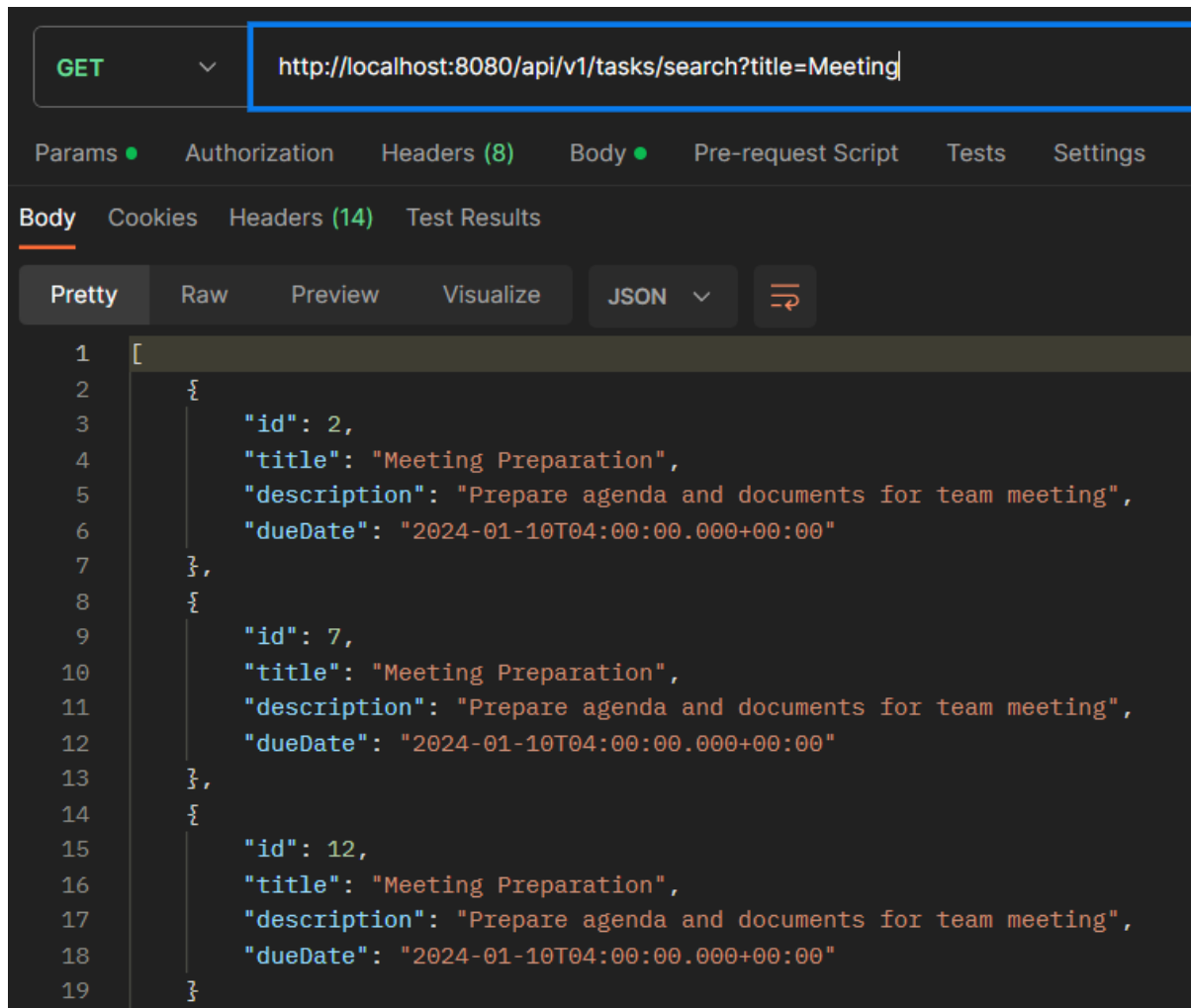
- ❖ **Enhanced Productivity:** Facilitates efficient task organization, leading to improved productivity and time management.
- ❖ **Streamlined Workflow:** Provides a centralized platform for individuals and teams to coordinate, track, and manage tasks seamlessly.
- ❖ **Reliable Operations:** Ensures secure CRUD operations, robust user authentication, and data integrity, fostering trust and reliability.
- ❖ **User-Friendly Interface:** Offers an intuitive interface designed for easy navigation and interaction, enhancing user experience.
- ❖ **Organizational Efficiency:** Promotes a structured approach to task management, reducing clutter and enhancing overall organization.
- ❖ **Adaptability and Accessibility:** Enables users to access and manage tasks conveniently from various devices and locations, enhancing accessibility and adaptability.

CONCLUSION:

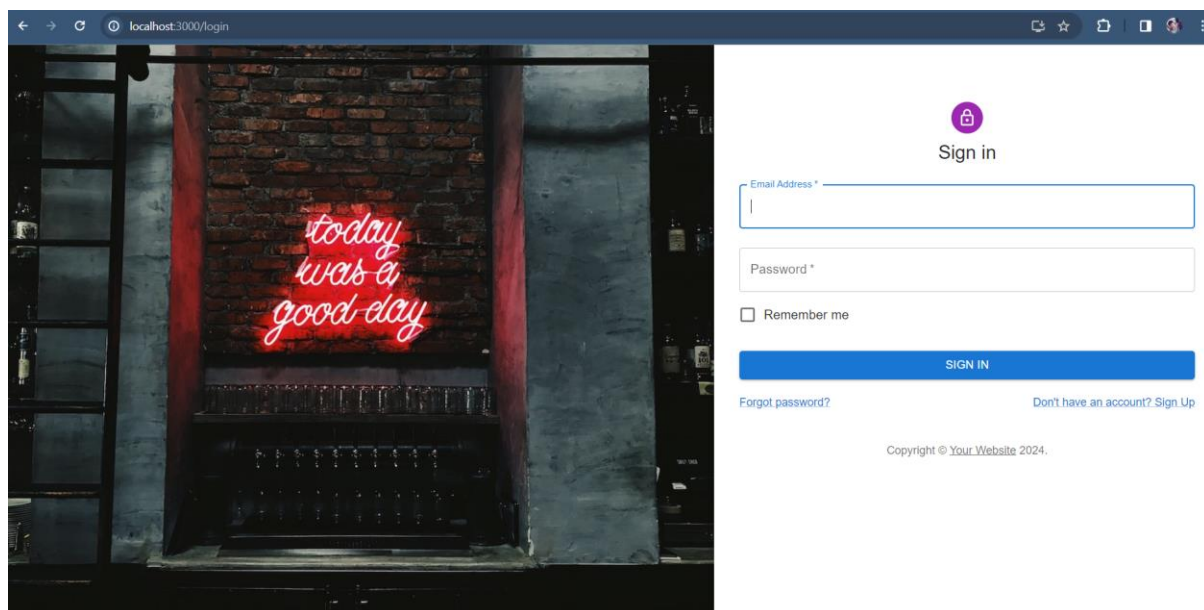
In conclusion, this project culminates in a robust and user-centric Task Management System. By leveraging Java (Spring Boot) for the backend and React.js with Material UI for the frontend, it achieves a perfect blend of functionality and aesthetics. The system's successful implementation of CRUD operations, coupled with secure user authentication and database management, creates a reliable and efficient platform. Through its intuitive interface and emphasis on design principles, it empowers users to manage tasks seamlessly. This system not only enhances productivity but also simplifies task handling, making it a valuable asset for individuals and teams striving for organized and efficient task management.

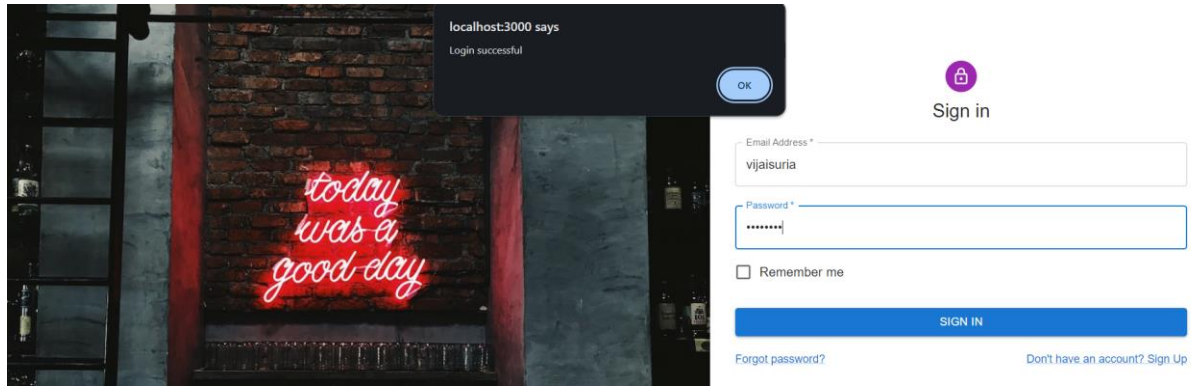
Backend: -



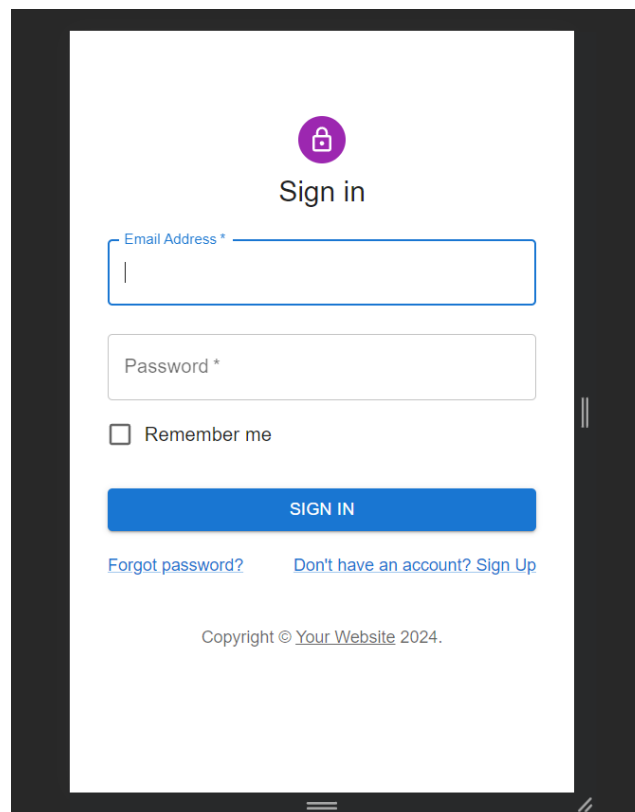


Front-end: -





Mobile view (Login page)



Register User

Seamless Access,
Unlimited Potential.

Join us to streamline your tasks! Register now for seamless organization, efficient collaboration, and optimized productivity.

User name

Email





































Password

☐ Accept Terms and Conditions

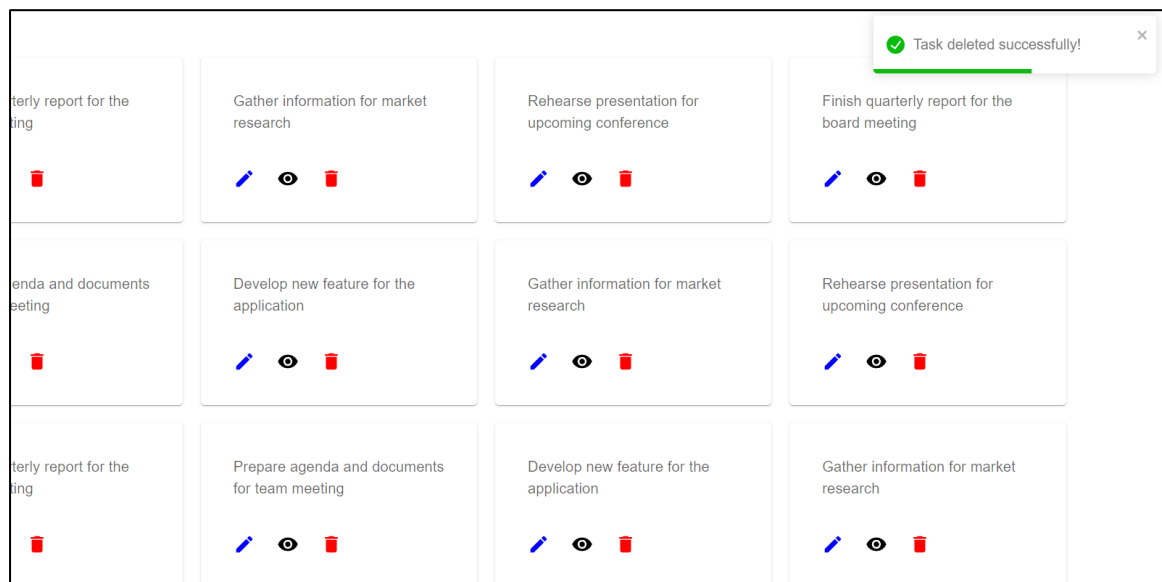
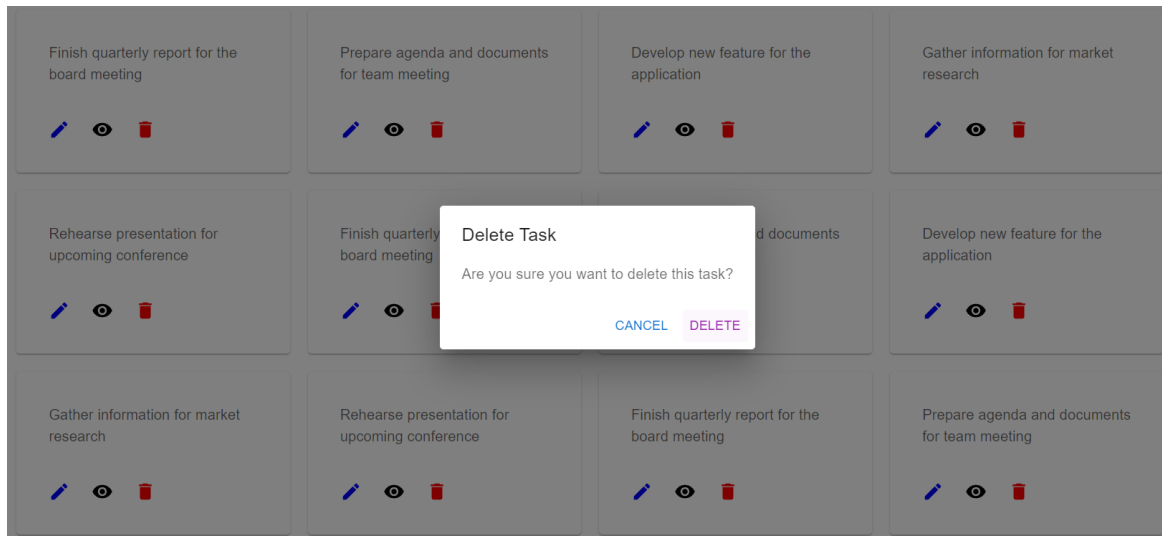
sign up

or sign up with:

List of tasks

Finish quarterly report for the board meeting	Prepare agenda and documents for team meeting	Develop new feature for the application	Gather information for market research
  	  	  	  
Rehearse presentation for upcoming conference	Finish quarterly report for the board meeting	Prepare agenda and documents for team meeting	Develop new feature for the application
  	  	  	  
Gather information for market research	Rehearse presentation for upcoming conference	Finish quarterly report for the board meeting	Prepare agenda and documents for team meeting
  	  	  	  

Deleting a task:-



Viewing Particular task

