

PROJECT: TASK MANAGER WEB APPLICATION

Description: Create a task manager web application with user authentication and an admin user who can manage all tasks and users. Users will be able to create, update, and delete their own tasks, while the admin will have access to all tasks and users.

ENTITIES:

- ☐ User: Represents a registered user with basic details like name, email, and password.
- ☐ Task: Contains information about a task, such as a task name, description, status, and the user it is assigned to.

RELATIONSHIPS:

- ☐ One-to-Many: Each user can have multiple tasks. Tasks are associated with a specific user.

MAIN FEATURES:

- ☐ User Registration and Login (React + Node.js authentication)
- ☐ Task Listing (React frontend to display tasks retrieved from the Node.js backend based on the logged-in user or admin)
- ☐ Task Creation (React frontend form for users to add new tasks, saved to DB with the user's ID as a reference)
- ☐ Task Editing (React frontend form to edit task details and update DB records)
- ☐ Task Deletion (React frontend button to delete tasks from DB)
- ☐ Admin Dashboard (React frontend with additional admin privileges to manage all tasks and users)

Technology Stack: React, Node.js, Express, React Router, Axios (for API calls), JSON Web Tokens (JWT) for authentication, DB of choice.

BONUS FEATURES

- ☐ Add unit tests and integration tests
- ☐ Deploy in a host
- ☐ Use docker and docker-compose to build the project

THE PROJECT IS DUE ON 09 FEBRUARY 2024