Task Manager – A Simple Web Application for Managing Tasks

Backend:

- **Language:** Java 21

- **Framework:** Spring Boot 3.5.3

- **Dependencies:**

    - Spring Web

    - Spring Data JPA

    - MySQL Driver

    - Lombok

    - Spring Boot DevTools

Frontend:

- **Framework:** React

- **Language:** JavaScript (ES6+)

- **Styling:** CSS

- **Components:** Functional components using Hooks (useState, useEffect)

Database:

- **Type:** MySQL

- **Run via:** Docker container

Features

✅ **Backend (REST API):**

- **GET /api/tasks** – Get all tasks

- **POST /api/tasks** – Create a new task

- **DELETE /api/tasks/{id}** – Delete a task by ID

- **PUT /api/tasks/{id}/complete** – Mark a task as completed *(optional to implement)*

🖥️ **Frontend:**

- Create tasks through a form

- Display a list of tasks

- Mark task as "Done"

- Delete task

- Error handling and form validation