

Final Assessment

you will be building a web application that allows users to manage tasks, including creating, updating, and deleting tasks, and assigning tasks to other users. The frontend of the application will be built using Angular, while the backend will be built using Spring Boot.

Requirements:

User Management: The application should allow users to register and login to the system. Users should be able to view their profile information and update it if necessary.

Task Management: Users should be able to view a list of tasks assigned to them. Users should be able to create a new task with the following information: title, description, priority, and deadline. Users should be able to update a task's information, including the task's status. Users should be able to delete a task. Users should be able to assign a task to another user.

Database Schema

User information (name, email, password, profile picture)

Task information (title, description, priority, deadline, status)

Task assignment information (task ID, user ID)

Angular Frontend

The following components should be implemented:

Login Component: This component will allow users to log in to the system by providing their email and password. Upon successful login, the user will be redirected to the dashboard page (No Registration Required for this Project).

User Profile Component: This component will allow users to view and edit their profile information, including their name, email, and profile picture.

Task Form Component: This component will allow users to create, edit and delete a task. The form will include fields for the task's title, description, priority, and deadline.

Task Details Component: This component will allow users to view the details of a task, including its title, description, priority, deadline, and status. Users should also be able to assign the task to another user.

Implementation :

You should implement the web application using the following technologies:

Angular for the frontend.

Spring Boot for the backend.

MySQL for the database.

Hibernate or JPA for object-relational mapping.

JWT for authentication.