

# PROJECT MANAGEMENT APPLICATION DOCUMENTATION

## OVERVIEW

This application is built with a Next.js frontend and a Spring Boot backend. It provides a user-friendly interface for managing projects, tasks, and milestones. The backend handles data storage and retrieval, while the frontend provides a seamless user experience.

### FRONTEND (NEXT.JS)

The Next.js frontend provides the user interface for the application. It consists of the following main routes:

- DASHBOARD: This serves as the general welcome page for users, providing an overview of current projects, recent tasks, or upcoming milestones.
- PROJECT: This route displays a list of all projects with essential details. Users can create new projects, view project information, and manage associated tasks and milestones from here.
- TASKS: This route shows a list of all tasks across projects. Users can create new tasks, assign them to projects and users, set due dates, and update task status.
- MILESTONES: This route renders all milestones, providing a visual representation of project progress. Users can create milestones, assign them to projects, and update their status.

### USED LIBRARIES AND TECHNOLOGIES

Apart from the main React Library that was used, other Libraries and Technologies were used to make the frontend possible and as such were:

- TailwindCSS
- ShadCN
- Zod forms