

OOP Project Proposal

Group Members (Section 3A)

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Task and Project Management Application

Project Description

This is a project that will allow individuals and teams to organize and work on their tasks more efficiently.

Key Features

- **User Authentication:** implement user registration and login functionality to ensure each user has a personalized workspace.
- **Task Creation:** users can create tasks, providing details such as task name, description, due date, and team members.
- **Project Management:** allow users to create projects to group related tasks together. For example, a project can be created with the name of “develop social networking app” and some tasks within it can be “implement front-end of app” and “work on the back-end of the app.”
- **Task team management:** the owner (or admin) of a task/project should have the ability to add/remove team members.
- **Task Status Management:** the state of tasks can be changed from “to-do”, “in-progress”, and “completed.”
- **Due date alerts:** remind users of upcoming due dates for tasks/projects.
- **Task notes and comments:** users can attach notes to tasks and there can be a comment section for team members to discuss details further.
- **Task tagging:** each task can have multiple different tags attached to it so that it is easier to find related tasks later. For example a task can be tagged with tags like **[work, important]** and then the user can search for these particular tags later to find this task.
- **Task Searching:** Tasks can be searched for with details like the name of the task, the tags included in the task, the due-date of the task, or the project name the task is grouped within.

- **User Profile:** A user will have a profile section that will show all the user's projects and tasks along with their due-dates. The user can then immediately view and interact with all his tasks much more efficiently.
- **Report Generation:** a user should have the ability to generate an easy-to-read report containing all his tasks and projects along with their deadlines.

Secondary Project Ideas

- FAST Society Management System
- Content Management System (Blog)
- Library Management System