

Personalized Task List Organizer

Stakeholders:

- **User:** Any person who wants to access the application in order to keep their tasks organized;
- **Admin:** A person that manages the server, e.g., starts the server locally.

Terminology:

- **Board:** A representation of all tasks that need doing for one category, split into multiple lists:
 - **Open Board:** A board on which multiple users can add, change and/or delete tasks;
 - **Private Board:** A board on which only one user can work with tasks;
- **List:** A list of tasks that identify one sub-category (e.g. To Do, Doing, Done);
- **Card:** A way for tasks to be represented, with titles, descriptions and tags;

MUST Requirements (needed for passing)

As a user/team member, I want to...

- Keep my tasks organized in lists. I want to have three main lists, namely to do, doing and done. Besides those, I want to create my own personalized lists. A list will contain multiple cards, which will represent the tasks. I want to do this because it is a good way of keeping track of my activities: what I need to do, what I am currently doing and what I have finished;
- Be able to create a card inside the to do list. I will always have multiple tasks happening simultaneously, such as: I can have plenty of tasks that I need to do, but not started yet, or multiple tasks which I am currently working on;
- Have a drag and drop feature in order to move a card between the lists. This would facilitate the process of moving a card from one list to another;
- Have the overview of my tasks synchronize automatically, such that changes that I make are saved without me having to do anything;
- Be able to add/delete new cards or lists. Tasks will always come and go, so I want to be able to constantly add or delete cards. If I decide that a list I created is not relevant anymore, I would have the option to delete it;
- Be able to edit an existing card or list. An editing feature is mandatory, as I do not want to delete an entire card/list if I made a mistake in it.

As an admin, I want ...

- To have a functional multiuser client-server application, so multiple people can use and collaborate on different boards;

- Users to enter only their usernames, as I want to make the account creation as easy as possible;
- To host all of the actions on the server, so I do not have to update all clients when I add/edit things;
- The app to not crash when multiple users start making changes to the cards or lists.
- The app to have a user-friendly interface that is easy to navigate.

SHOULD Requirements

As a user, I want ...

- To have multiple boards which will contain multiple lists. This feature will give a better organization of the tasks;
- A card to have multiple sub-goals. This way it would be easier to achieve a big goal by dividing it;
- A card to have hidden details (such as a description or the other subtasks). By doing this, the application will be more user-friendly and will not be overcrowded with all of the details;
- To have multiple tags for a task. The tags could be a difficulty level, a domain, a priority level, or whatever the user wants to name the tag. This would make searching tasks easier;
- Cards to be customizable: I should be able to change the color of the card, edit its tags and details. This will give me flexibility in classifying my tasks and makes each one more easily identifiable;
- To have a search bar to easily find tasks, either by keyword, task name, or tag;
- To be able to classify a board as either open or private. When creating a board, I want to be able to make it open to everyone using the app, or make it private. If a board is private, editing access can be requested in order to have access to it.

As an admin, I want...

- To have a visually appealing interface.

COULD Requirements

As a user, I want to...

- Have keyboard shortcuts. I want to have certain combinations of keys for creating a board/list/cards. The keyboard shortcuts description will appear when hovering the add buttons;
- Have my private boards be protected with passwords, because I wouldn't my tasks to be accessible by strangers on the internet;
- Have a progress tracker for each board. The tracker will provide various statistics about the percentage of the tasks which were completed, the task which has the least amount of subtasks completed, etc;
- Be able to set a reminder for deadlines. When creating a goal, I will have the option to

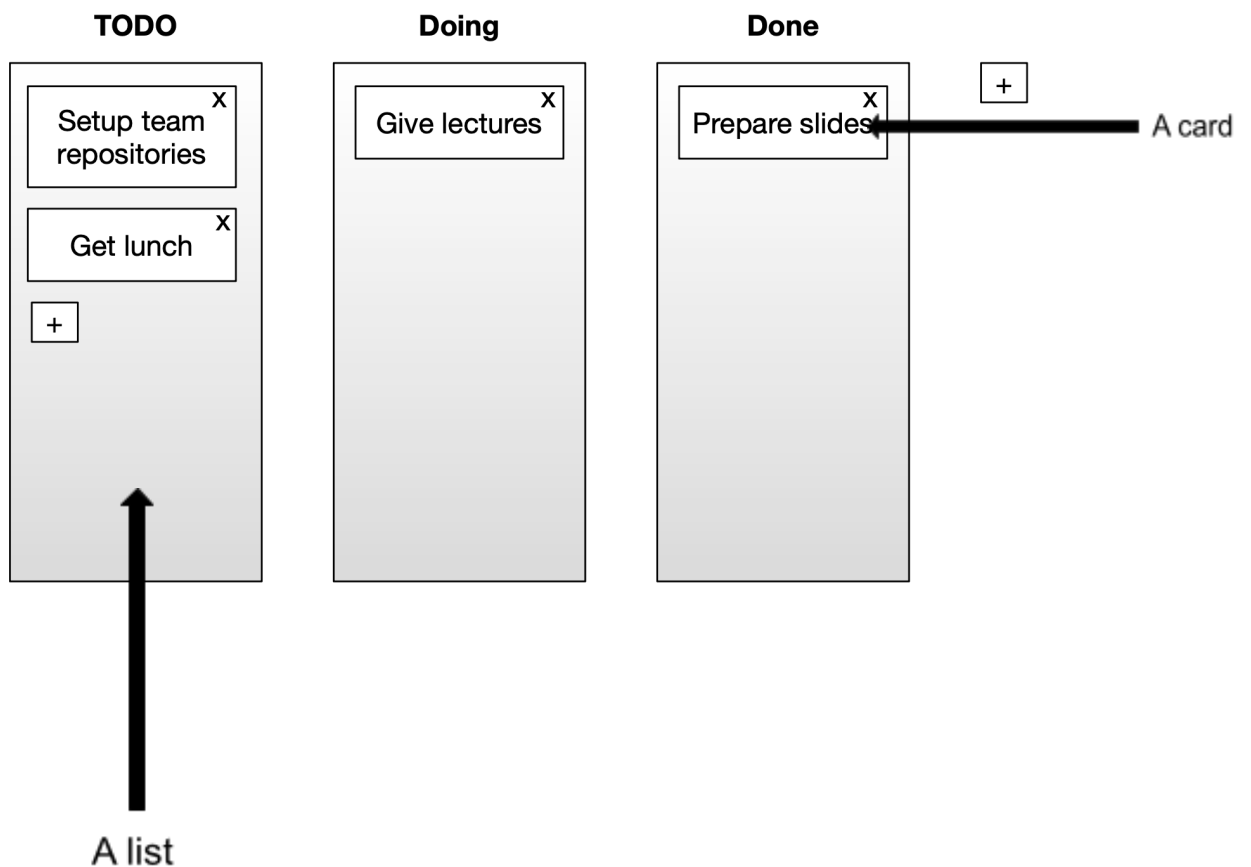
- set a deadline for it and the reminder will provide notifications;
- To be able to add some motivational messages along with my board so that I will create a more personalized space.

As an admin, I want to...

- Be able to limit the number of users editing a single board at a time;
- I want to have a backup and restore functionality so that In case of a data loss the user can still have their boards.

MOCKS

A board



The details of a card

Prepare lecture slides

x

I still need to polish the lecture slides for several upcoming lectures.

Tasks

☒ Collaborative Software engineering

☐ Git Assignment

urgent (x)

teaching (x)

+

A tag