

# Backlog

## Stakeholders:

- **User:** Any person that is able to connect to the boards.
- **User Team:** A board with multiple auditors. A group of users editing the same board.
- **Admin:** The person who supports the smooth running of the application by performing actions such as restarting the server, editing the data, etc.

## Description:

The product is going to provide an organized task-keeping space that can be accessed by multiple users and each of them can adjust their own tasks. The tasks are saved along with their descriptions, progress, deadlines and sub-tasks. Tasks are grouped together into lists that have a common attribute such as the sage that the task is in. Lists are grouped into boards, each board sharing a common overarching goal. This format can be very useful for keeping track of deadlines and activities for trip-planning, university students and people with busy working schedules.

## Terminology:

- **Board** - a card display structure which will serve as the main UI for the application.
- **Lists** - a number of related cards, connected consecutively as a column structure. A board is constructed by several columns put together.
- **Cards** - a rectangular piece of pasteboard, which will contain the task. It has its own description, name, and other relevant details (ex. Progress bar, tags, nested task list etc.)

## Basic Requirements

### (EPIC) - Task-making application

**As a user, I want an online application where I can add and edit tasks so that I can organize my life better and collaborate with my team.**

- As a user, I want to be able to connect to an online server, so that I can use the app from different devices.
- As an admin, I want to be able to restart the server without breaking it, so that I can maintain the application and provide back-up and recovery plans in case something bad happens.
- As a user, I don't want to register in order to use the application, as I may not want to share my email.

- I don't want to log in every time I use the product.
- As a user I want to freely pick a name for my boards, so that I can choose the name I see fit for me.
- As a user team, we want to be on the same page with each other with our work being on the same version, so that we can use the app at the same time.
  - We want the application to be updated instantly and have no wait time.
- As a user, I want to be able to drag and drop cards from one list to another to make editing the tasks easier and faster.
  - I should be able to select a card using a left click, move it to a different list and release the click to apply any changes.
- As a user, I want the board displayed to be as simple as possible so that the page doesn't have too much information:
  - The only content that the card has is its title before it is clicked on.
- As a user, I want to be able to add more tasks to my board, so that I can expand the usability of the application and make the interaction more dynamic. (See Mock 2)
  - Each list must have a button which can be used to add more tasks to it.
- As a user, I want to be able to remove tasks from the main board in case I don't need some tasks anymore.(Mock 2)
  - Cards have an option to be deleted from the board view.
- As a user, I want to be able to add more lists to my board, so that I can expand the usability of the application and organize the task division better.
  - Each list must have a button which can be used to add more lists to it.
- As a user, I want to be able to remove lists from the main board in case I don't need some anymore.
  - Lists have an option to be deleted from the board view.
- As a user I want to be able to edit an already existing card because I don't want to create another card each time I make a change.(Mock 1)
  - There should be a button that lets the owner edit the card name and properties.
  - The page that is brought up can be the actual card creation page but with all the data already filled in.

## Advanced Requirements

### **(EPIC) - Multi-Board**

**As a user, I want to be able to connect to multiple boards and be able to navigate through them, so that I can have boards for different tasks.**

- As a user, I want every board that I create to have a key, so that it can be recognized.
- As a user, I want to be able to connect to multiple boards by entering their particular key, so that I can have boards for various purposes.
  - There should be a connect option in the dashboard page.
- As a user, I want to have access to a dashboard of boards to which I am connected to, so that I can easily visualize them and have fast access.

### **(EPIC) - Cards**

**As a user, I want cards that can have a description and a nested task list so that I can understand the purpose of the card.**

- As a user I want to be able to write an extended description for a card because I might want to add more details. (See Mock 1)
- As a user I want to divide the tasks into subtasks in the nested task-list of the card to have a cleaner and more sufficient view of each task.

### **(EPIC) - Tag support**

**As a user, I want to be able to group multiple tasks together based on similar criteria that they have so that they can be handled in a specific manner or by a person who specializes in this type of task.**

- As a user I want to be able to add tags at the creation of the task because this will allow me to pinpoint the specific attributes of the task at hand.
- As a user I want to be able to select in the board overview the tags that I want to filter based on so that I can see only the tasks that matter for that particular attribute.
  - User can select and deselect tags from the board page
- As a user I want to be able to remove and add new tags by editing an already existing task.
- As a user I want to be able to distinguish the tags the tasks have from the board view because I don't want to open them to check which specific tags they have.

### **(EPIC) - Customization**

**As a user, I want to be able to customize the different aspects of the app because this will allow me to set the tone of the workflow and it will also improve the speed, by using different colors for the tasks and tags.**

- As a user I want to be able to add color to the tags as this will allow a faster workflow by not needing to read the tags every time.
- As a user I want to be able to set the background color as this can change the mood.
- As a user I want to be able to add color to each card as this could further help distinguish between tasks fast by not needing to read the title.
- As a user I want to be able to edit all of the above properties even after the creation of the specific element that uses them because this will allow flexibility in my workflow.

### **(EPIC) - Keyboard shortcuts/usage**

**As a user, I want to be able to use shortcuts so that I can increase my working speed.**

- As a user I want to be able to have the most common functionalities on the keyboard so that I can improve my productivity.
- As a user I want to be able to custom my own shortcuts so that I can work faster and more efficiently, using shortcuts that I am used to.
  - There should be an option to add user shortcuts.

### **(EPIC) - Password-protected boards (read vs. write)**

**As a user, I want to be able to protect my boards with passwords and make a board read/write so that I can have multiple types of boards (public, private, read-only, read & write) allowing different access levels.**

As a user I want to be able to have password-protected boards so that I can restrict access to unwanted users.

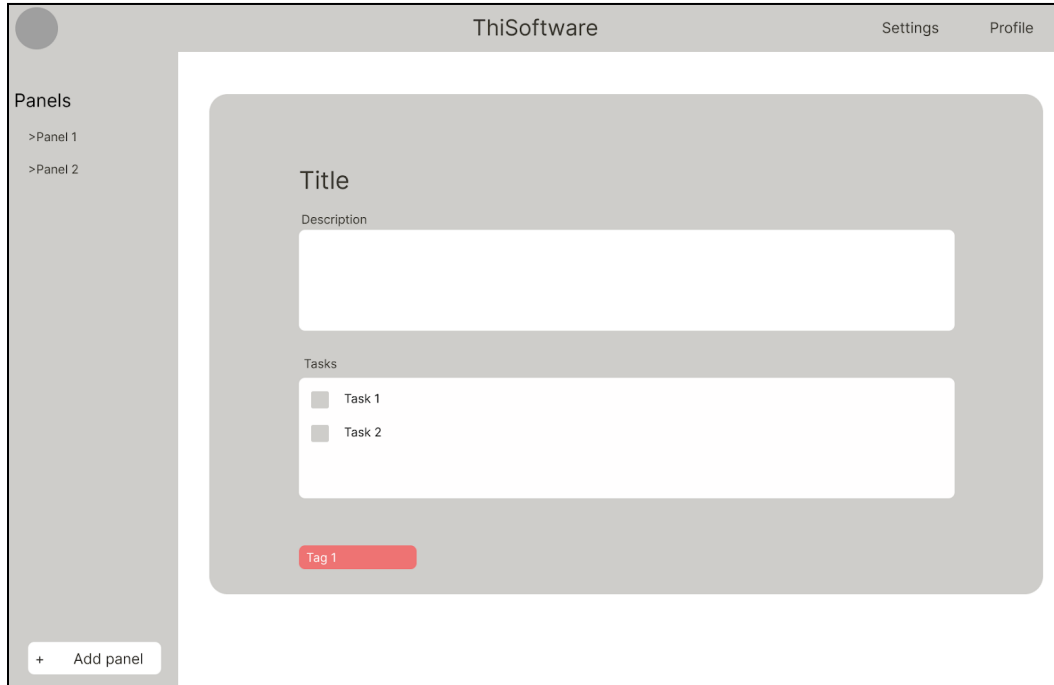
- There should be an option to switch the board's state from password protected to public.

As a user I want to be able to choose whether the boards are read-only or read-and-write so that boards that are just meant to be displayed are not edited.

As a user I want to have the choice of whether a password is required in order for my board to be read for privacy reasons.

As a user I want to choose if a password is needed for granting editing privileges so that my work stays intact.

## Mock1



## Mock 2

