

Stakeholders:

- **User:** Any person that can access boards and create/add/remove lists and cards
- **Admin:** A person that manages the server, boards and user information

Terminology:

- **Board:** A window containing lists of cards
- **List:** A vertical list which can contain multiple cards
- **Card:** An item in the list with a title which represents a task which needs to be completed. It may also contain subtasks and tags.
- **Task:** The card's title
- **Subtask:** Smaller divisions of a task, that can appear as checkboxes within a card

Must Requirements:

As a user, I want:

- To have three standard lists in the beginning, which are 'To-do', 'Doing', and 'Done', so that I can already use the basic To-do list functionality.
- To be able to add cards within a list, so I can create new notes
- To see the card title, so I can understand what the task is about
- To see items that I have entered in the list, so I can actually interact with the application
- To scroll through the lists containing cards, so I can see all the cards whenever I have a lot of them.
- To automatically save all items when I leave the application, so the lists won't be reset
- Several users to be able to see the same board, so multiple people work together to complete a to-do list
- To be able to see other people's changes in real-time without refreshing, so I can immediately see whenever changes are made
- To drag and drop cards onto the boards, so I can prioritise my tasks within a list or put one task from one list to another
- To be able to edit the card title, so I am not stuck with the same name whenever I change my mind or made a mistake
- To be able to delete cards by pressing on a cross whenever I change my mind, so I don't keep items in lists whenever they are not needed anymore.
- To be able to add another list, so I can add items to a specific category that I created myself.
- To be able to remove lists, because I might not have any need for them in my to-do list

As an admin, I want:

- To restart the server without losing the information about the boards, so updates and fixing bugs will be easy

Should requirements:

As a user, I want:

- To be able to add a board, so I can have more than one board
- To be able to join my board with someone else's using a name or key, so that teamwork will be made easier.
- To be able to switch the board I'm currently viewing and selecting the board I want, so that I can easily view the lists of other boards.
- To be able to name/rename any board, so I can have a clear indication what my board is about
- To be able to add a description to a card, so I can add details to the task
- To be able to add subtasks to an item which can be ticked off, so I can split the task up into multiple smaller tasks to make it clearer what needs to be done.
- To be able to add tags to cards, so I can classify certain items and find them easier.
- To be able to remove certain tags and subtasks with the single click of a button, so I can change the properties of my card whenever I change my mind or make a mistake
- To be able to change the colours of the board, lists, cards and tags, so it's easier to look at for me.
- To be able to change the size of the title of the cards, so I can see them more clearly
- To have a cancel button on each action, so I can go back if I change my mind

As an admin, I want:

- To remove the boards of the users, so I can filter unwanted content

Could requirements:

As a user, I want:

- To be able to use keyboard shortcuts, so I can quickly create or remove certain elements in the board without using my mouse.
- To protect my boards with a password, so no one can edit my board unless they have the password.
- The application to move the card to doing when one of the subtasks is checked, so the card is always displaying its current status
- The application to move the card to the done section when all the subtasks are done, so I know whenever a task is completed.
- To be able to add a date and time for the cards, so I can see all my deadlines in an organised way
- To have an option to clear all cards in case all the to do items are done, so i can easily remove all the cards and keep it organised.
- To see how long I have until my deadlines per card and have an indication whenever a deadline is passed, so I can easily see how much time I've got left.
- To have a way to filter the board, e.g by ordering them by date or by name, so I can find a certain board easier
- To be able to filter the tags of each card by its colour so I can see which cards are organised by its tags

As an admin, I want:

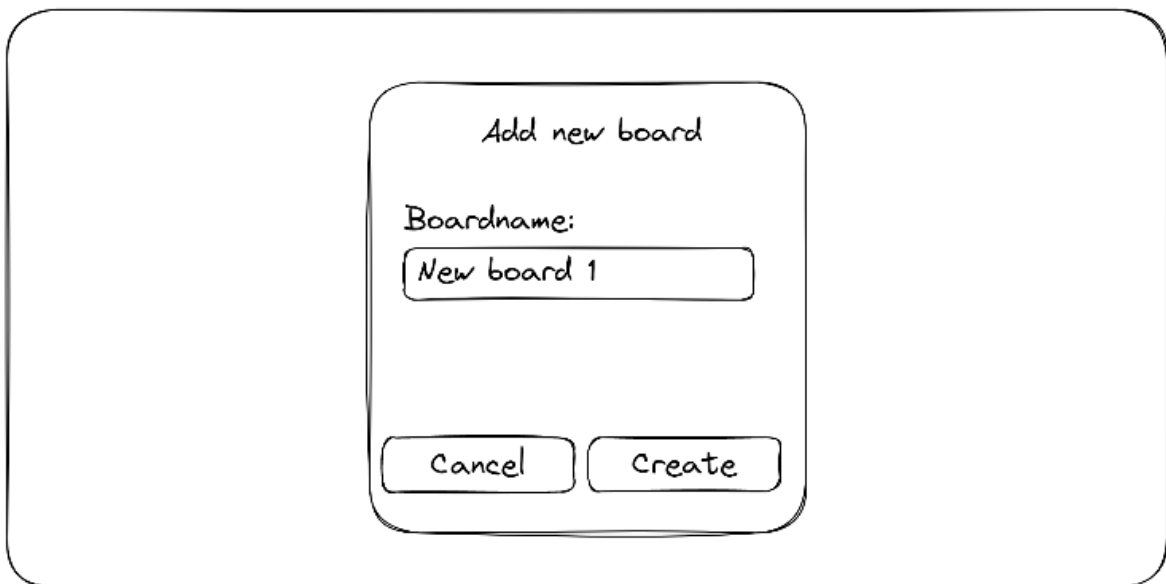
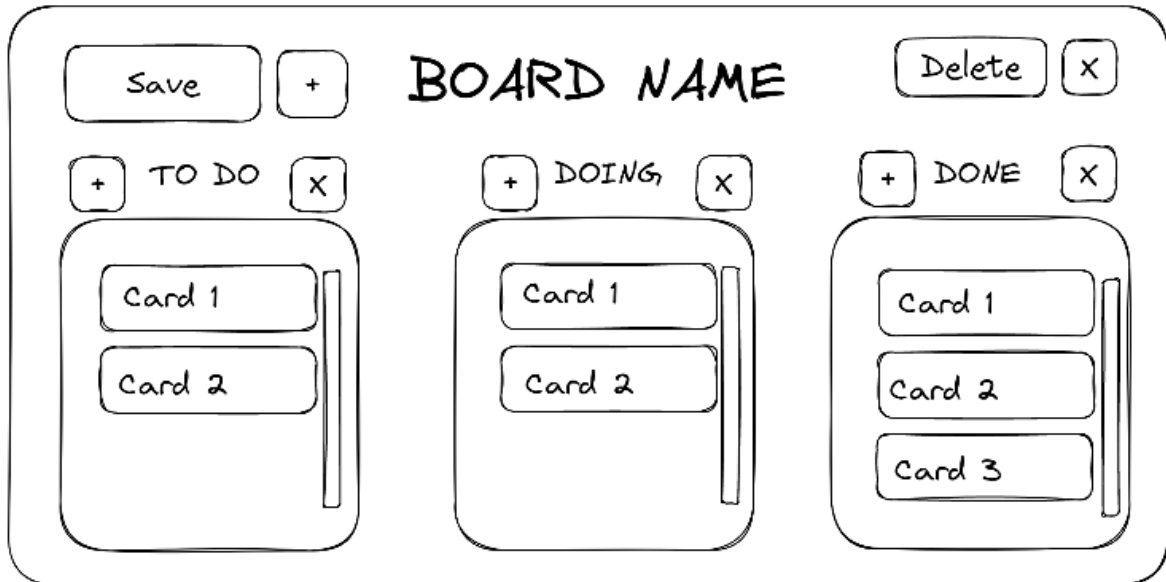
- To edit the user's password for the board, so I can easily reset it when the user forgets it

Won't requirements:

As a user, I don't want:

- Any registration whatsoever, so the application is easier to use and less complicated

Mockups:



Add new Task

Description:

Add new Tag

Tagname:

Color:

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Change tag

Tagname:

Color:

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Boards

Board1



Board2



Board3



Card Title

Tasks:

- Task 1 description
- Task 2 description
- Task 3 description



Tags:

Tag 1



Tag 2



Tag 3



Submit

(if you want to save changed attr)