

Stakeholders:

- **User:** Any person that can access boards and create/add/remove lists and cards
- **Admin:** A person that can start, restart and stop the server as well as perform any user's action

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

Basic features:

Our application should enable users to write down their thoughts and organise them in a to-do list. The application should be intuitive to use, and should allow real-time collaboration.

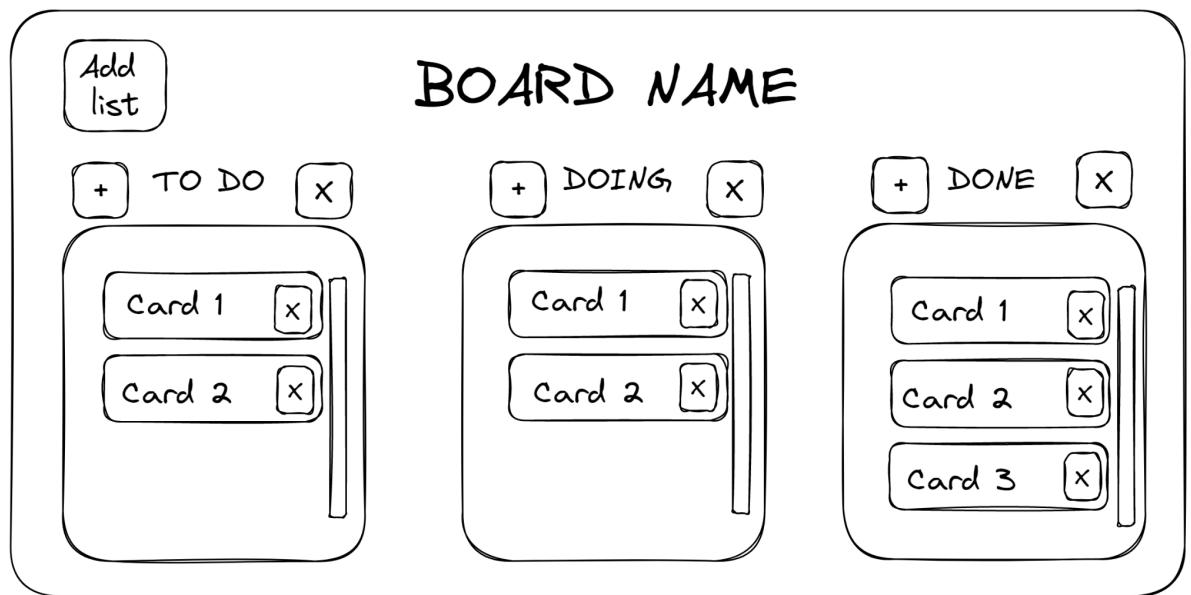
As a user, I want:

- To have three standard lists in the beginning, which are 'To-do', 'Doing', and 'Done' (Mockup 1), so that I can already use the basic To-do list functionality
- To be able to add cards to a list by pressing on the plus near the list (Mockup 1), so I can create new notes
- To see items that I have entered in the list (Mockup 1), so I can actually interact with the application
- To see the card title (Mockup 2), so I can understand what the task is about
- To scroll through the lists containing cards, so I can see all the cards whenever I have a lot of them (Mockup 1)
- To be able to use the app without a log in, so the application is easy to use and less complicated
- 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 manual refreshing, so I can immediately see whenever changes are made
- To automatically save all items when I leave the application, so the lists won't be reset
- To drag and drop cards inside the boards, so I can prioritise my tasks within a list or put one task from one list to another (Mockup 1)
- To be able to delete cards by pressing on a cross, so I don't keep items in lists whenever they are not needed anymore (Mockup 1)
- To be able to add another list by pressing the add list button, so I can add items to a specific category that I created myself (Mockup 1, 3)
- To be able to remove lists by pressing a cross in their top right corner, so I can remove lists if I do not need them (Mockup 1)

As an admin, I want:

- To start the server, so users can make use of it
- To restart the server without losing the information about the boards, so updates and fixing bugs will be easy
- To be able to rename lists, to assist users whenever they make a mistake

MOCKUP 1



MOCKUP 2



MOCKUP 3



Multi-Board:

We want to provide the possibility to work on multiple boards, so that users can make a separate to-do list for multiple projects.

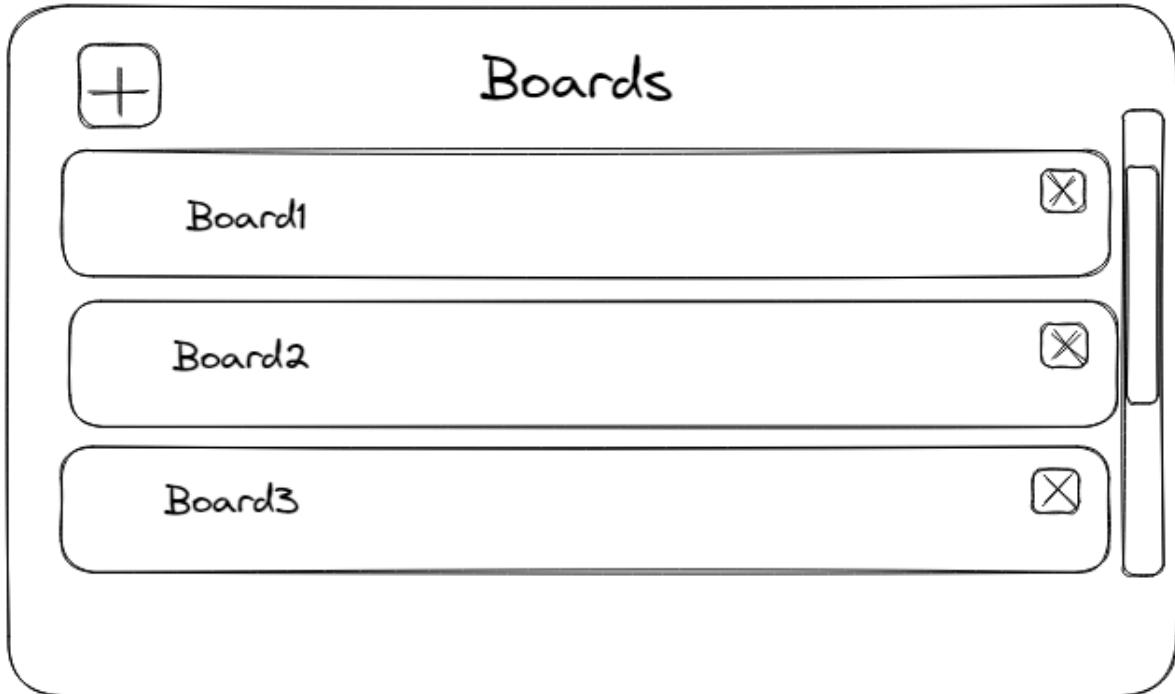
As a user, I want:

- To be able to add a board by pressing the plus button in the list of boards (Mockup 4), so I can have different boards for different purposes
- To be able to name my new board (Mockup 5) during the generation process, so I can personalise it the way I want
- To be able to see a scrollable list of the names of boards (Mockup 4), so I can easily see what boards exist
- To be able to join the board I want by clicking on it when scrolling through the board list, so I can easily view the other user's boards
- To be able to delete a board by pressing on the cross in the board list (Mockup 4), so that I can remove boards I don't need anymore

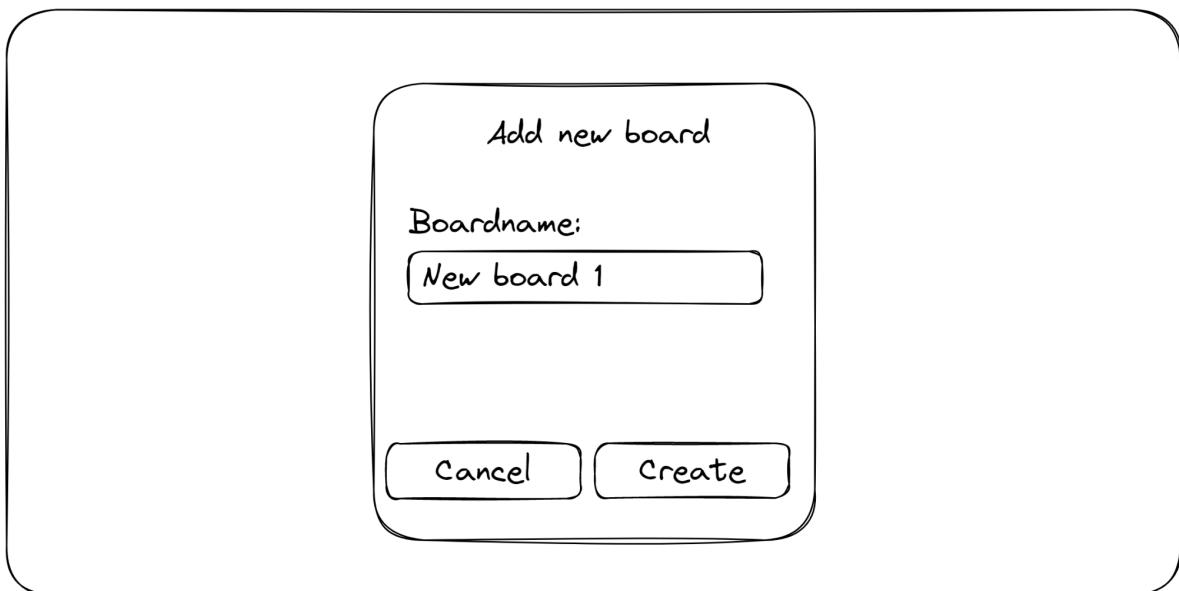
As an admin, I want:

- To rename a board, so I can change inappropriate names

MOCKUP 4



MOCKUP 5



Cards can have details:

We want users to be able to add details to their cards, so that they can elaborate on their ideas, and possibly subdivide them into smaller tasks.

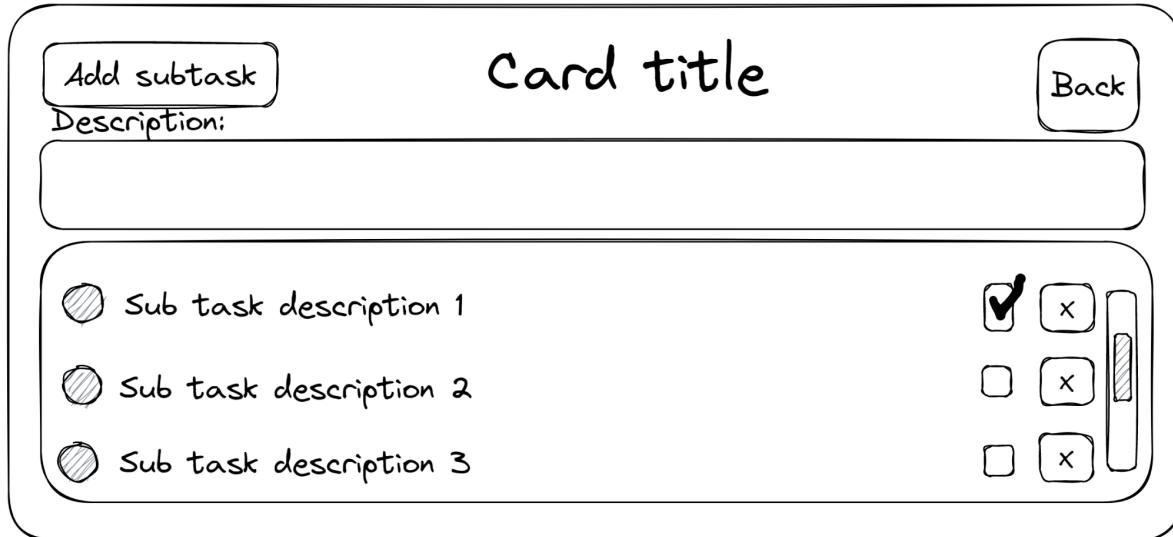
As a user, I want:

- To be able to add a description in a box to a card by simply clicking on the card (Mockup 6), so I can add details to the card
- To be able to add subtasks to a card by pressing the add subtask button (Mockup 6, 7), so I can split the task up into multiple smaller tasks
- To be able to tick off subtasks from a card (Mockup 6), so I can mark them as done
- To be able to remove subtasks with the single click of a button (Mockup 6), so I can fix mistakes

As an admin, I want:

- To be able to change the card's description, so I can remove inappropriate content

MOCKUP 6



MOCKUP 7



Tag Support:

We would like users to be able to add tags so that they can organise their cards, and quickly see what cards should be prioritised.

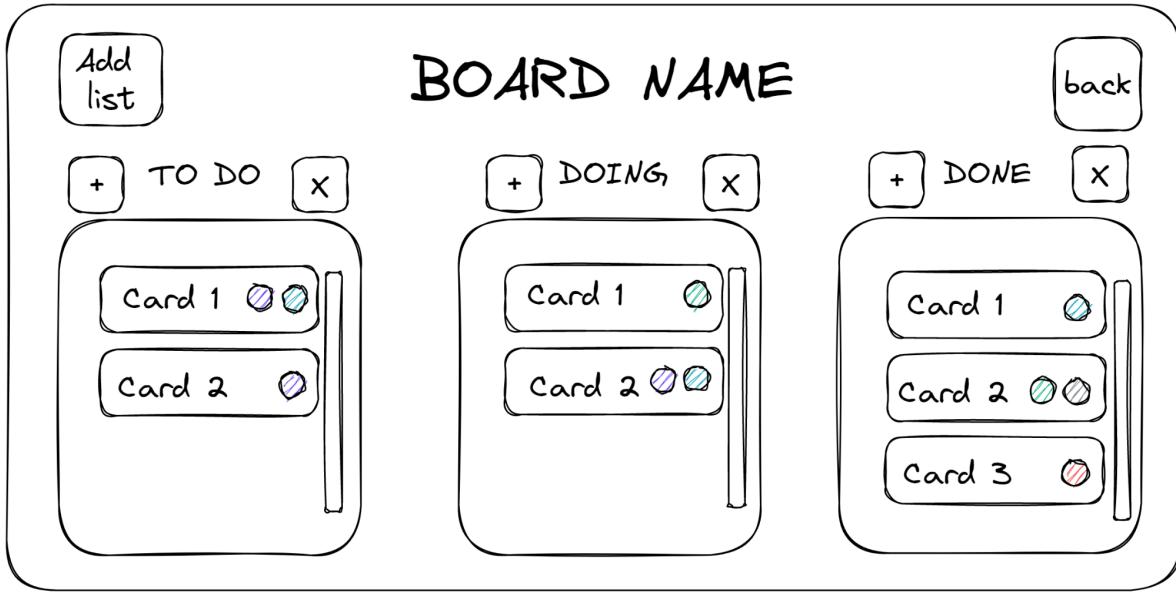
As a user, I want:

- To be able to add tags to cards by pressing on the plus in the bottom right of the card menu (Mockup 9, 10), so I can classify certain items and find them easier
- To be able to see the tags that are assigned to this card (Mockup 8), so I can see what the card is about before opening the card
- To be able to remove a tag from a card by simply pressing a cross in the top of the tag (Mockup 10), so that I can change my mind about a category

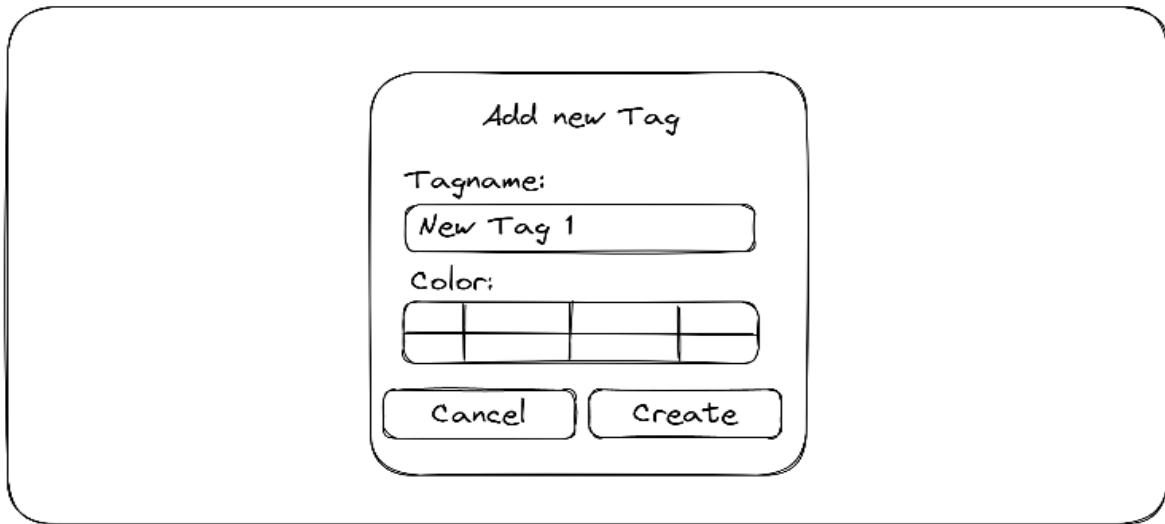
As an admin, I want:

- To be able to remove a specific tag-type from all boards (Mockup 10), so that I can filter unwanted content

MOCKUP 8



MOCKUP 9



MOCKUP 10



Customization:

We want to enable users to customise the environment as much as possible.

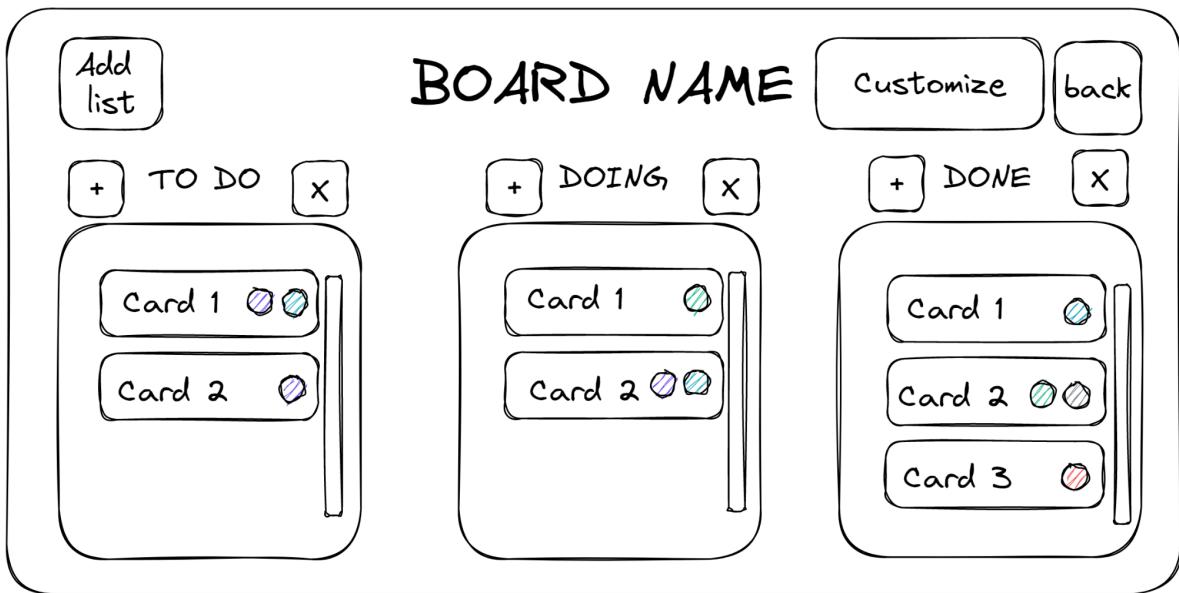
As a user, I want:

- To be able to change the background colour of the board in the customise board menu (Mockup 12), so it's easier to look at for me
- To be able to change the colours of the cards in the card details menu that opens by pressing on the card (Mockup 14), so it's easier to look at for me
- To be able to change the colours of the tags by clicking on the tag in the change card menu (Mockup 13, 14), so it's easier to look at for me

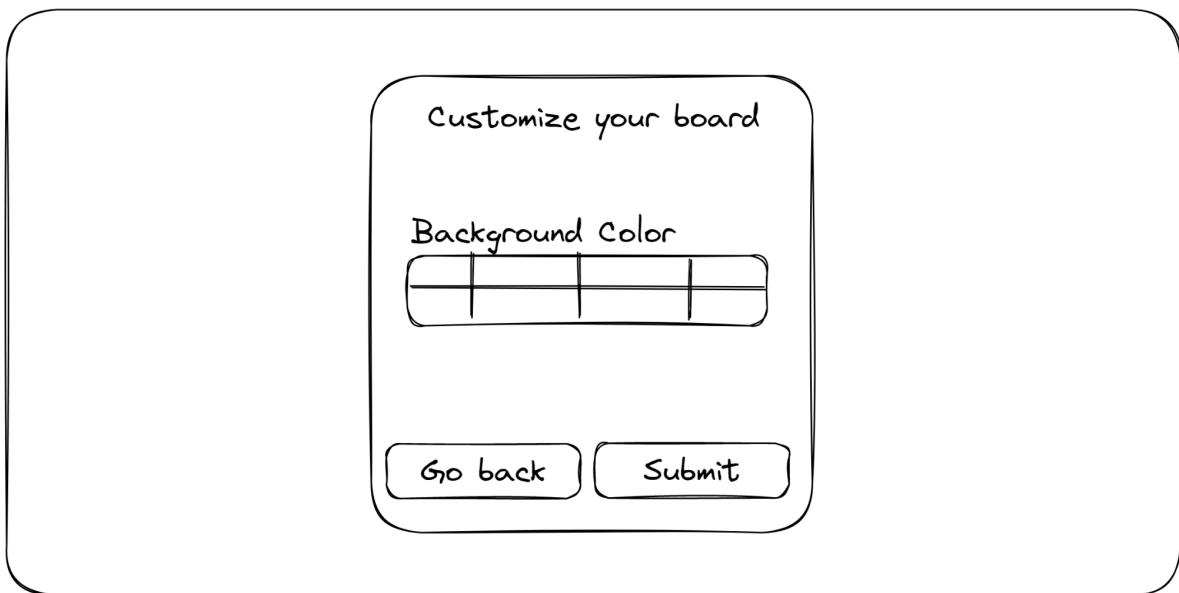
As an admin, I want:

- To be able to revert a board to its original state, so that I can assist users who made their board unusable

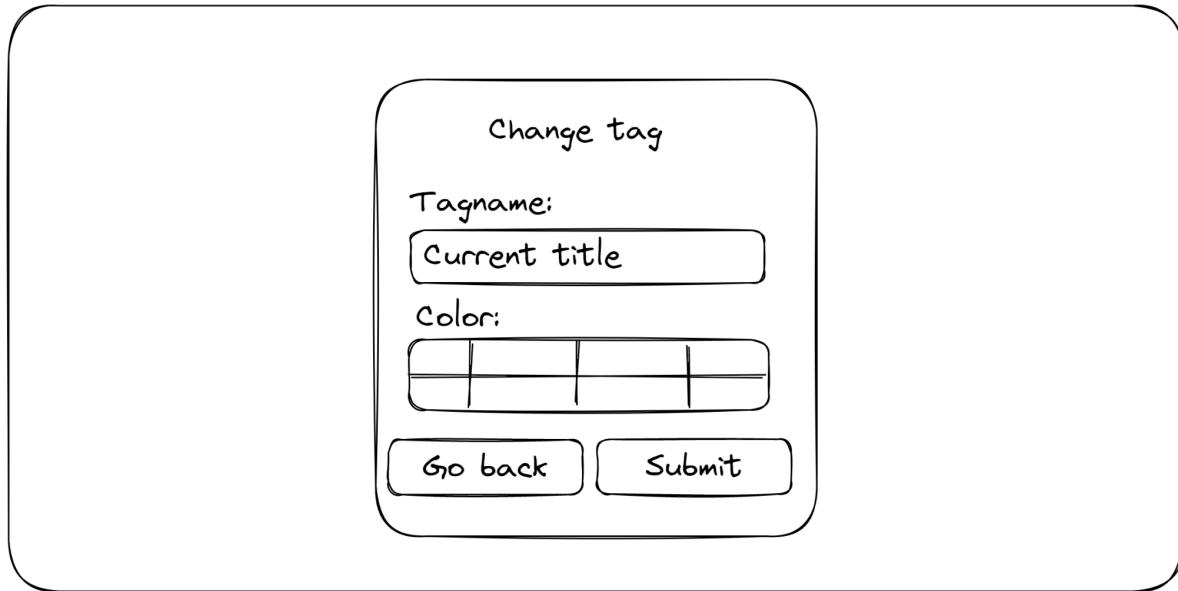
MOCKUP 11



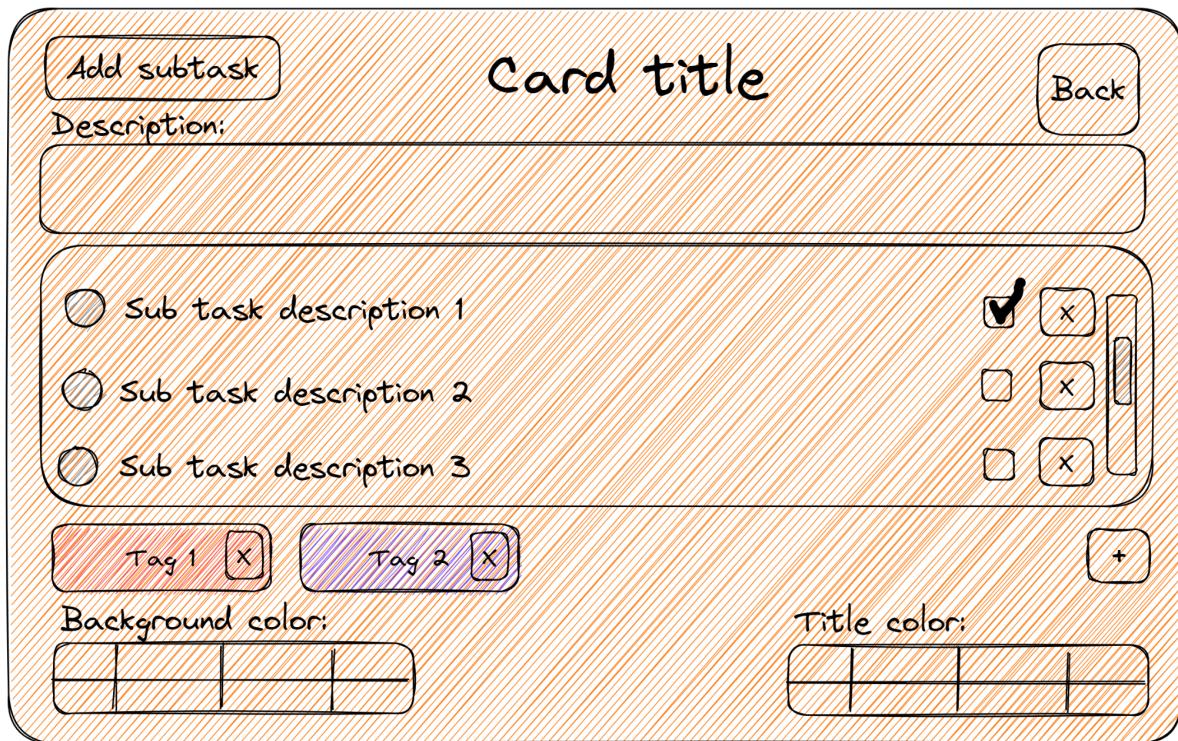
MOCKUP 12



MOCKUP 13



MOCKUP 14



Keyboard shortcuts/usage:

To enable users to use the application comfortably we allow for keyboard shortcuts.

As a user, I want:

- To be able to use arrows to scroll through the list, so that i can avoid using the mouse
- To be able to press "d" on a card to delete a card, so that i don't have to use the mouse
- To be able to press "e" on a card to edit the card, so that i can quickly change some of the details

Password protected boards:

We want to be able to read the content of all boards. However, we offer the possibility to password-protect boards to ensure no changes can be made without entering this password

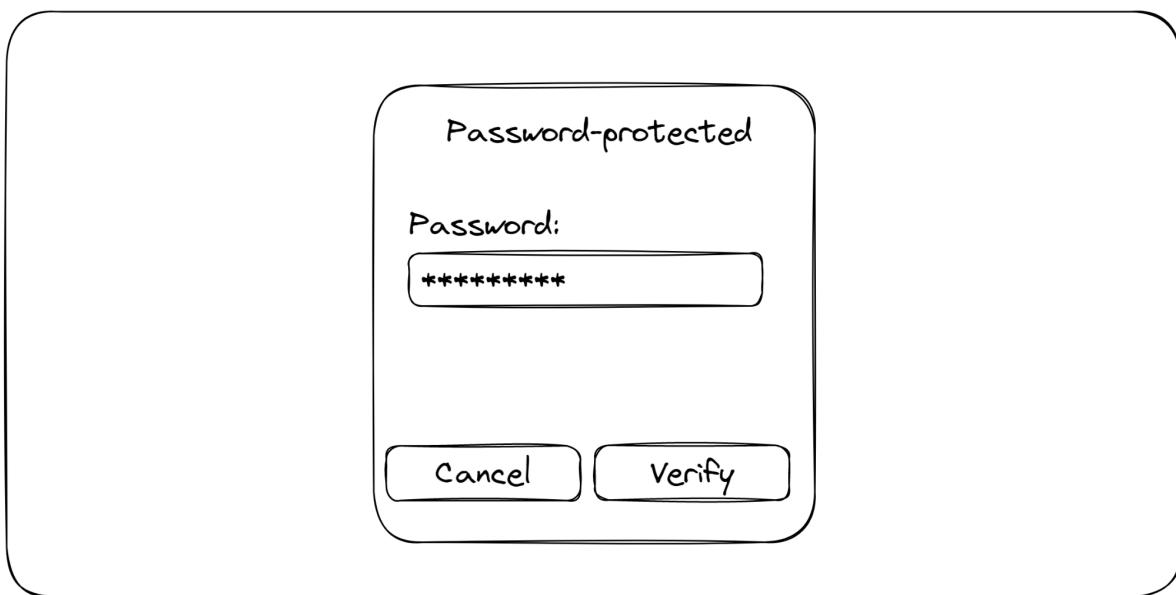
As a user, I want:

- To be able to view all boards, even if they are password protected
- To protect my boards with a password by pressing on add password, so no one can edit my board unless they have the password (Mockup 17)
- To remove a password if I have it by pressing on delete password, so I can avoid having to enter my password when it is no longer necessary (Mockup 16)

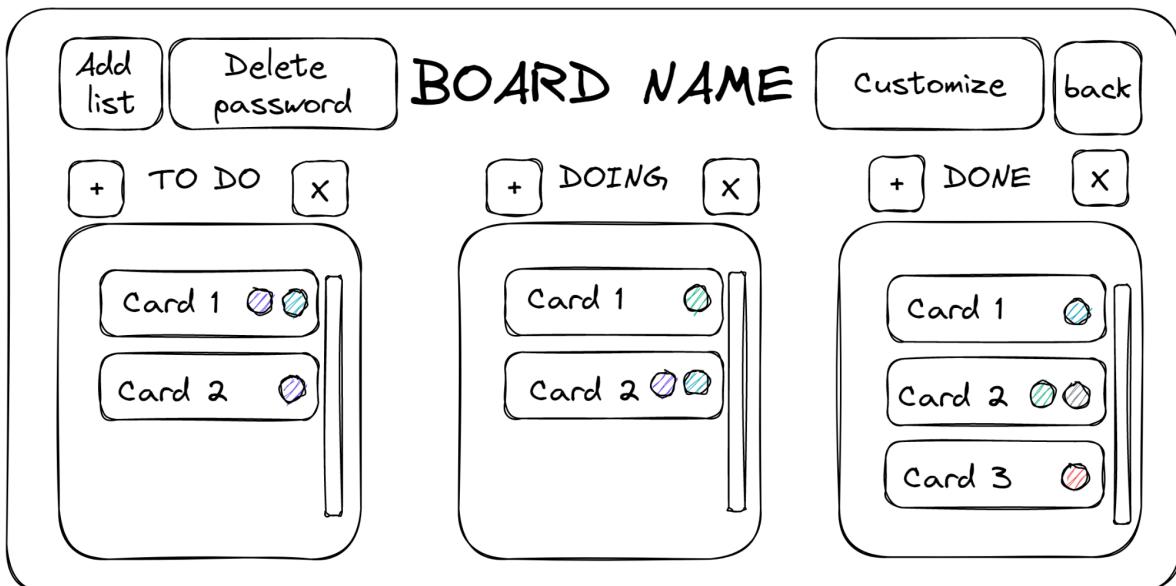
As an admin, I want:

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

MOCKUP 15



Mockup 16



Mockup 17

