

# Personal task organizer

Stakeholders:

- **User:** Any person that is able to access the application.
- **Admin:** A person that can restart the server, access locked boards and change passwords for boards.

Terminology:

- **Board:** A container with a name which contains lists.
- **List:** A container within a board which has a name and which contains cards.
- **Card:** A container inside a list which describes a task by a name and optionally a description, tags and a nested task list.

## Basic Requirements (Epic)

As a user, I want ...

- to be able to see one general board when I connect to the server, to get an overview of the board (User Story)
  - When I connect to the application, I want to see one (main) board (Acceptance Criteria)
  - There is auto synchronization, to see changes made by another user (Acceptance Criteria)
- to add lists so I can have a clear overview of my tasks (User Story)
  - Created list appears in my overview and the overview of other clients (Acceptance Criteria)
  - Created list is added to the database (Acceptance Criteria)
- to delete lists from the board so I can remove empty lists or lists with completed tasks, thus having a clear overview of my tasks (User Story)
  - Deleted list disappears from the overview (Acceptance Criteria)
  - All data related to the particular list is deleted from the database (Acceptance Criteria)
- to edit the name of a list so I can have a better understanding of my objectives (User Story)
  - The new name of the list is displayed in the overview (Acceptance Criteria)
  - The name update is propagated to the database (Acceptance Criteria)
- to add cards to lists so I can organize my thoughts (User Story)
  - Created cards appear in my overview (Acceptance Criteria)
  - Created cards appear in the overview of another client (Acceptance Criteria)
  - Created card is added to the database (Acceptance Criteria)
- to remove cards from lists (User Story)
  - The removed card disappears from another client's overview (Acceptance Criteria)
  - The removed card disappears from my overview (Acceptance Criteria)

- The removed card causes the elimination of all related data from the database (Acceptance Criteria)
- to see the title of a card in my overview, so I know what kind of TODO it is (User Story)
  - Created card is visible in my overview based on a string (title) (Acceptance Criteria)
  - Created card is visible in the overview of another client based on a string (title) (Acceptance Criteria)
  - Created card is stored in database based on title (Acceptance Criteria)
- to drag & drop cards to another list for example if I want to add a new TODO list for another day.
  - Existent card is visible in another list in my overview (Acceptance Criteria)
  - Existent card is visible in another list of another client (Acceptance Criteria)
  - The card is removed from the first list (Acceptance Criteria)
  - Created card is moved to another place in the database (Acceptance Criteria)
- to be able to change the title of the cards so I can add or remove important details
  - The new title of the card is displayed in the overview (Acceptance Criteria)
  - The title update is propagated to the database (Acceptance Criteria)

As an admin, I want ...

- to be able to restart the server locally from my application.
  - the created board is restarted and no changes can be made (Acceptance Criteria)
- to be able to delete boards

## Advanced Requirements (Epic)

As a user, I want ...

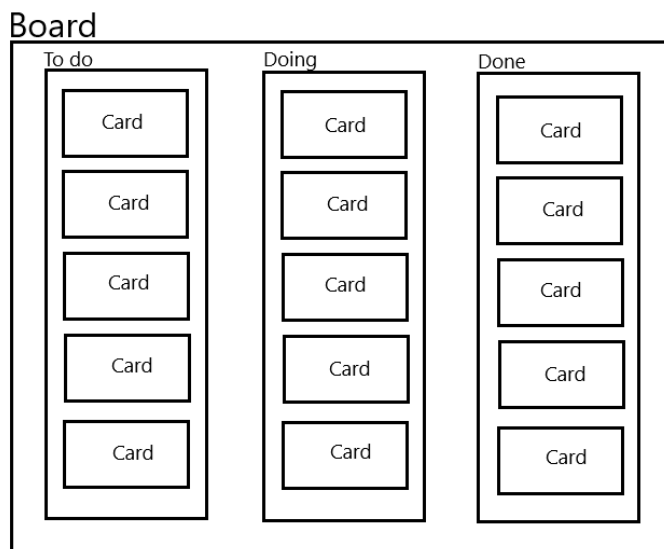
- to be able to connect to other boards by name/key, So I can have a more specific theme for a board
  - Interface to enter a name/key (Acceptance Criteria)
  - Created name/key is stored in the database (Acceptance Criteria)
- to be able to have a description with my card so it describes the task better, that I need to do
  - When creating a card there is a possibility to add description. (Acceptance Criteria)
  - If you click on a created card with description, there is a field to edit the description (Acceptance Criteria)
- to be able to add nested task lists to any task in order to quantify it in smaller, clearer and easier steps
- to be able to have different tags for the tasks, to make the whole board even more clear for myself.
- to be able to customize the boards, so I can have a specific theme for example
  - Created board can have another background color (Acceptance Criteria)

- Created card title can have different colors (Acceptance Criteria)
- to be able to give the tags different color, so I can see which one are done/more urgent than others
- to be able to navigate through the application and(or) manipulate lists and cards by using keyboard shortcuts so that the application is easier to use
- to be able to password-protect my boards, so that not everyone is able to read or write to my board.
- to connect to another board based on a unique has/identifier/name
- to view the history of completed tasks

As an admin, I want ...

- to be able to unlock password-protected boards, or change the passwords in case users forget the password of their boards.

## Mock



Card

Title

Description

Tasks

☒ Task 1X

☒ Task 2X

Tag 1X

Tag 2X

+