

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.

Mocks:

Two mocks are provided at the end of the Backlog:

- Simple illustration of a *Card* - *Mock 1* (see Terminology)
- Simple illustration of a *Board* containing *Lists* - *Mock 2* (see Terminology)

The illustrations present the intentions of the team in regards with the UI design.

Basic Requirements

Client-Server Application (Epic)

As an admin, I want ...

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

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 (see Mock 1) (User Story)
 - When I connect to the application, I want to see one (main) board (Acceptance Criteria)

No registration (Epic)

As an admin, I want ...

- that users do not have to register to use the application. (User Story)

Multi User (Epic)

As an admin, I want ...

- that multiple users are able to use the application at once. (User Story)

Auto synchronization of overview (Epic)

As a user, I want ...

- the application to auto synchronize so I can see changes that other users make to the main board. (User Story)

Card represented by Title (Epic)

As a user, I want ...

- to see the title of a card in my overview, so I know what kind of TODO it is (see Mock 1) (User Story)
 - Created card is visible in my overview based on the title I gave as input (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 a generated unique ID (Acceptance Criteria)

Drag and Drop (Epic)

As a user, I want ...

- to drag & drop cards to another list for example if I want to add a new TODO list for another day (see Mock 1). (User Story)
 - Existent card is visible in another list in my overview (Acceptance Criteria)
 - The change is auto-synchronized for other users (Acceptance Criteria)
 - The card is removed from the first list (Acceptance Criteria)
 - Created card is moved to another place in the database (Acceptance Criteria)

Flexibility (Epic)

As a user, I want ...

- to add lists so I can have a clear overview of my tasks (see Mock 1) (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 (see Mock 1) (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 (see Mock 1) (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 be able to change the title of a card so I can add or remove important details (User Story)
 - The new title of the card is displayed in the overview (Acceptance Criteria)
 - The title update is propagated to the database (Acceptance Criteria)

Other user stories

As an admin, I want ...

- to have full control over the overview, so it is possible to delete, add or edit any item like lists or cards for example. (User Story)

Advanced Requirements

Multi-Board (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. (User Story)
 - Interface to enter a name/key (Acceptance Criteria)
 - Created name/key is stored in the database (Acceptance Criteria)

More detailed cards (Epic)

As a user, I want ...

- to be able to have a description with my card so it describes the task better, that I need to do (see Mock 2). (User Story)
 - 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 (see Mock 2). (User Story)

Tag support (Epic)

As a user, I want ...

- to be able to have different tags for the tasks, to make the whole board even more clear for myself (see Mock 2). (User Story)

Customization (Epic)

As a user, I want ...

- to be able to customize the boards, so I can have a specific theme for example. (User Story)
 - 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 a different color, so I can easily group them. (User Story)

Keyboard shortcuts (Epic)

As a user, I want ...

- 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. (User Story)

Password protected boards (Epic)

As a user, I want ...

- to be able to password-protect my boards, so that not everyone is able to read or write to my board. (User Story)
- to connect to another board based on a unique hash/identifier/name/password. (User Story)

Other User stories

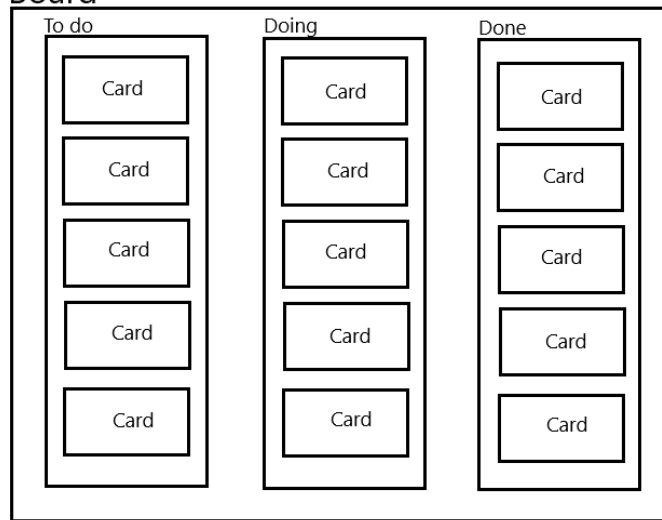
As an admin, I want ...

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

Mocks

Mock 1

Board



Mock 2

Card

A diagram of a card layout. It features a title field, a description field, a tasks list, and a tags section. The card has a close button (X) in the top right corner.

Title

Description

Tasks

- ✓ Task 1 X
- ✓ Task 2 X

Tag 1 X Tag 2 X +