

# Backlog

## Stakeholders:

- **User:** Any person, using the application with the goal of managing their tasks
- **Owner:** A user, who has created a board and can edit its contents
- **Viewer:** A user, who has the key to a specific board
- **Admin:** The person managing the server

#User is a “superclass” of owner and viewer, as soon as you open the application you are automatically a user

#A user becomes an owner when they have created a board

#A user becomes a viewer when they have “subscribed” to a board

#A user can be both an owner and a viewer

## Terminology:

- **Board:** Contains multiple cards. It is set by the owner and is viewed by viewers, who have the key to the specific board.
- **Card:** Contains tasks and their descriptions. It is created by the same owners, who have created the board and is viewed by viewers, who have the key to the board.
- **Task:** A goal that the owner sets. It is viewed by viewers with access to the parent board.

## Minimal Application:

**Description:** This is the base application, which covers the basic requirements.

As a user, I want to ...

- Be able to access all the key features without needing to register, so that I can enjoy the benefits of anonymity
- Be able to connect to the server using the client software, so that I can use it.
- Intuitively understand how to use the application, so that it is easy and convenient to use.
- See in real time whenever the boards I joined are being updated or edited, so that I can keep up with all the changes
- Be able to drag and drop the cards to change the position of it, so that I can prioritise them
- Be able to create, edit and delete my own cards, so that I can have the flexibility of changing and adding to my goals

As an admin, I want to ...

- Restart the server without losing data, so that the application is consistent, even if it is shut down accidentally.

- Have Read/Write access to all boards, so that I can be able to effectively moderate all content.

## **Multi-Boards:**

**Description:** This is a feature that allows users to create and join multiple boards.

As a user, I want to ...

- Be able to create multiple boards, so that I can organise each of them based on different needs and goals.

As an owner, I want to ...

- Be able to create a board, so that I can create different boards for different uses

As a viewer, I want to ....

- Join multiple boards and be able to view them with corresponding keys, so that I can have different boards based on the uses, needed for each of them and have them protected with a key
- Be able to close the application and reopen it, without losing access to any of my boards, so that I don't have to open them up every time or memorise the keys.

As an admin, I want to ....

- See all boards, so that I can watch over what kinds of boards are there in the application.

## **Cards can have details(such as Description and Nested Task List):**

**Description:** This is a feature, which allows the users to add and edit various additional details to the cards other than the title.

As an owner, I want to ...

- Be able to set description and tasks to each card, so that they are easier to follow and are easier to understand and use.

As a viewer, I want to ....

- Be able to see the descriptions and the tasks of each card, so that they are more detailed and useful for me.

## Tag Support:

**Description:** This is a feature that allows users to use and create tags

As an owner, I want to ...

- Be able to add, edit and delete tags from my board, so that it is more easily recognisable.

As a viewer, I want to ....

- Be able to filter and organise my boards, based on their tags, so that my board overview is better organised.

## Customization:

**Description:** A feature allowing users to personalise different properties of their boards such as background images and tag colours.

As an owner, I want to ...

- Edit the tags' colors, so that they can stand out more.
- Be able to change the background color of my boards and cards.

As a viewer, I want to ....

- Be able to have my boards organised based on their colors, so my overview is color-coded.
- Be able to use the tag and card colors, so they have a better appearance.

## Keyboard shortcuts/usage:

**Description:** A feature allowing users to use keyboard shortcuts in the application

As a user, I want to ...

- Be able to use keyboard shortcuts in the application, so that the application is more convenient, faster and easier to use and navigate.

As an owner, I want to ...

- Be able to use keyboard shortcuts for adding, editing and deleting objects(boards, cards and tags) in the application, so I have a better workflow.

As a viewer, I want to ....

- Be able to use keyboard shortcuts for completing tasks and cards, so it is more convenient.

## Password protected boards(read vs write):

**Description:** This is a feature, which allows the owners to add passwords to their boards, so they can manage the access privileges to the boards.

As a user, I want to ...

- Be able to use passwords, in order to join boards to view them and edit them.

As an owner, I want to ...

- Use a password to protect my board so that only people who have the password can edit my board.
- Have full read/write access to my board

As an admin, I want to ....

- Have access to the passwords for read/write and be able to change them.

## **Image Background:**

**Description:** This is a feature which allows the users to set the background image of a board to an image of their choosing, from their local files.

As an owner, I want to ...

- Be able to set a background image for the board, in order to personalise it more.

As an admin, I want to ....

- Be able to edit the board background image, so that I can protect against inappropriate backgrounds.

## **Application Health:**

**Description:** This is a feature, which allows the admin to maintain the application more easily and with more details.

As an admin, I want to ...

- Be able to check if the server is healthy and running, so that I can resolve any issues that may occur in the application.
- Setup and start the server with a convenient script, so I spend less time on running everything manually and can't make mistakes when setting up the application.

## Mocks:

