

# New Name User Stories

## Stakeholders:

- **User:** Any person that is able to connect to the boards.
- **User Team:** A board with multiple auditors. A group of users editing the same board.
- **Admin :** The person who supports the smooth running of the application by performing actions such as restarting the server, editing the data, etc.

## Description:

The product is going to provide an organized task-keeping space that can be accessed by multiple users and each of them can adjust their own tasks. The tasks are saved along with their descriptions, progress, deadlines and sub-tasks. Tasks are grouped together into lists that have a common attribute such as the sage that the task is in. Lists are grouped into boards, each board sharing a common overarching goal. This format can be very useful for keeping track of deadlines and activities for trip-planning, university students and people with busy working schedules.

## Terminology:

- **Board** - a card display structure which will serve as the main UI for the application.
- **Lists** - a number of related cards, connected consecutively as a column structure. A board is constructed by several columns put together.
- **Cards** - a rectangular piece of pasteboard, which will contain the task. It has its own description, name, and other relevant details (ex. Progress bar, tags, nested task list etc.)

## Basic Requirements:

- **Client - Server application (EPIC):**
  - **As a user I want to be able to connect to an online server:**
    - The product should be a Client-server web application.
    - Will run on the client-side while accessing information over a remote server.
    - The client, who will be the user, will make requests to the server which will retrieve data and send it back to the client
    - Achievable by the use of JavaFX and spring boot.
  - **As a admin, I want to be able maintain the application without losing any functionality:**
    - The admin has access to and can modify all the boards.

- The admin must be able to restart the server without breaking it.
- The admin has access to passwords and can modify it.

- **Registration and Authentication(EPIC):**

- **As a user, I don't want to register in order to use the application:**
  - Users can freely pick a name, which will act as their ID.
  - Users don't have to log in every time they use the product.

- **User Interaction(EPIC):**

- **As a user team, we want to share the same boards and be able to use the application together:**
  - Multiple users will be able to use the application
  - Users can connect to each other's boards by using a common key.
  - They can check on each others' tasks.
- **As a user team, we want to be on the same page with each other:**
  - The application should update any changes in real-time, so that users don't have different versions of the cards, in case two or more different users manipulate the application at the same time.

- **Board Customization and Design(EPIC):**

- **As a user, I want to be able to drag and drop cards from one list to another:**
  - Users should be able to select a card using a left click, move it to a different list and release the click to apply any changes.
  - When dropped, a card must get attached to the most closely located list.
- **As a user I want the board displayed to be as simple as possible so I can get to the task as quickly as possible:**
  - The only content that the card has is its title before it is clicked on, in order to not add too much complexity to the preview of all cards.
- **As a user I want to be able to remove, add and reorganize tasks from the main board to keep the workflow as seamless as possible:**
  - The product should include flexibility in its design philosophy
  - Cards and lists can be created or deleted from the board view
  - Cards should be able to be moved around to different lists
  - Lists should be able to be advanced to the left or right.

## Advanced Requirements:

- **Multi-Board feature(EPIC):**
  - **As a user I want to be able to connect to multiple boards and be able to navigate through them:**
    - The user must be able to have multiple boards
    - Can be organized depending on priority, date of creation or last date modified.
- **Card functionality(EPIC):**
  - **As a user I want cards that can have details(Description, Nested task list):**
    - There should be a feature letting the user assign an extended description to a card, so the specific purpose of a card can be easily understandable.
    - Each card must have a nested task list dividing the task into subtasks. This will provide a cleaner and more sufficient view of each task and make it easier to complete.
  - **As a user I want tag Support:**
    - The user will have the choice to add specific tags to a card. That way, each card will be categorized making it easier to search for.
    - Tags will provide a more flexible way to organize each card and help the user stay focused on their task.
    - Tags can display various common aspects of the different tasks such as the urgency with which they should be treated or their importance.
- **Board functionality(EPIC):**
  - **As a user I want to be able to customize the product(Background, Tag colors):**
    - A preferred color can be set so that certain tags stand out and the space is aesthetically pleasing to the user.
    - The tags will help the user categorize cards in order to help with organization.
    - The user will be able to change the color of the background.
  - **As a user I want to be able to have the most common functionalities on the keyboard for improved productivity:**
    - The application must support custom shortcuts to make the client interaction more pleasant.
    - The keyboard shortcuts the application will use are the following:
      - Ctrl + F: to find particular text in the file
      - Ctrl + A: to add a new Card
      - Ctrl + D: to delete the focused Card or List

- **Board Password Access(EPIC):**
  - **As a user I want to be able to have password protected boards (read vs. write):**
    - The boards can be either accessible to anyone on the user team or be password protected.
    - A feature enabling the user to choose whether the boards are read-only or read-and-write should be available.
    - The user should be able to choose whether a password is required in order for the board to be read or if it is just needed for granting editing privileges.

Optional Requirements:

**A bleeding edge task organizer that competes with market leaders in term of functionality:**

- **Board and Card Edit Option(EPIC):**
  - **As a user I want to be able to edit an already existing card because I don't want to create another card each time I make a change:**
    - After the creation of the card there should be a button that lets the owner edit the card settings
    - The page that is brought up can be the actual card creation page but with all the data already filled in
  - **As a user I want to be able to edit an already existing board because I don't want to create another board each time I make a change:**
    - After the creation of the board there should be a button that lets the owner edit the board settings
    - The page that is brought up can be the actual board creation page but with all the data already filled in.
- **Application Design(EPIC):**
  - **As a user I want to see an image for each task preview so that I can more easily distinguish one from another:**
    - At the creation of the task the user should be able to upload the cover image
    - When editing an already existing task let the user change the cover image
  - **As a user I want to be able to choose the background of the board as this can brighten the mood of the user team or make them more serious about their job:**

- On the board creation page the user should be able to upload a background
  - When editing an already existing board the user should be able to change the background
- **Progress Bar(EPIC):**
  - **As a user I want to see how far along has our goal come because I want to have a general idea of how things are going:**
    - Under the board represents the progress
    - Let the user who creates the board the algorithm that is going to be used
      - Linearly based on tasks
      - Linearly based on sub-tasks
      - Weighted based on tasks
      - Weightes based on sub-tasks
- **Board access(EPIC):**
  - **As a user I want to be able to only add individuals that are on the allowed user whitelist:**
    - At the creation of a board the owner should be able to select the individuals that are allowed to join by adding them to a list
    - When editing an already existing board the owner should be able to add or remove names from the whitelist
    - Each individual user could be given write access on a personal basis rather that for the whole team

# Mocks



