Talio – Your personal Task List Organizer

Stakeholders:

- **User:** Any person that is able to use the app, and can create a board and lists to organise various tasks.
- **Admin:** A person that manages the server and the database

Terminology:

- **Board:** A board that shows all the lists and tasks created by the user.
- **List:** A list inside the board that should have a title showing the goal of that list, and it also contains the tasks/cards.
- **Task/Card:** A single item in a list on a board, that can be dragged to different lists on that board. It has a title and optionally a description and subtasks
- **Tag:** An item you attach to tasks so that you can categorise them.

User Stories:

Must requirements:

As a user, I want:
- no registration process, so that I can quickly view and organise my tasks
- to be able to collaborate with other users on the same board, so that we can keep track of our tasks together
- to be able to set my nickname, so that others can identify me and I can identify others
- the boards to be synchronised with the server for everyone working on the board, so that we all see the same tasks and aren't confused by seeing different ones
- to be able to drag and drop cards/tasks from one list to another, so that I can quickly and easily change their category/state
- to be able to create/remove lists, so that I can manage my tasks into the categories that I need
- to be able to add/remove cards from any list, so that I can keep the board updated with new tasks as they come and easily remove old ones
- to be able to edit a card's title, so that I can quickly fix my mistakes or update them if they change

As an admin, I want:
- To be able to start the server and database, so that the app can start running
- To be able to restart the server without losing any data (persistence), so that I can make changes to the code and apply them without having to worry about it
- The server to be running without any runtime errors, so that the users can access it whenever they need and use it without any problems

Should requirements:

As a user, I want:
- To be able to connect to multiple different boards, where each board can be found with its name/key, so I can work on multiple boards for different things.
- cards to have details such as description and nested task list.
- To be able to add tags to different cards, so that it is easier for the user to organise
- To be able to customise the board, like changing the background colour of the board, lists, cards and tags, so that it can be prettier
- To have keyboard shortcuts for adding/removing different lists and cards, so that the application is easier to use
- To have password protection on different boards so that one can't view or edit the board unless they have the password

As an admin, I want:
- every board's passwords to be hashed, so that they are secure.
- to see all users on a board, so that I can have a better overview of the current state of the app

Could requirements:

As a user, I want:
- Make an account and view all my boards and manage who all can view it so that I can make sure it won't be changed by someone that I don't want to
- To be able search within each lists by keywords in the titles so that I can find the task I'm looking for
- To be able to filter out tasks having certain tasks
- To be able to export the board as a PDF and share it so that I can show this to others
- See edit history of the board so that I can undo things if I want to

Mocks

Talio

Register

- ⊞ Add task
- ⊞ Add board

TODO

Setup team repositories x

Title: Prepare lecture slides

Description: I still need to polish the lecture slides for several upcoming lectures.

Tasks:

- ☑ Collaborative Software engineering   x
- ☐ Git Assignment   x

Labels:

⊞ **Urgent**

⊞ **Teaching**

⊞