

# Backlog

Group 27

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## 1 Stakeholders

- **User:** any person who is able to use the application
- **Admin:** a person that manages the server and the database

## 2 Terminology

- **Card:** a customizable object that describes a real-world task
- **Board:** customizable Application area that contains any number of Tasklists, and therefore Tasks
- **Tasklist:** a customizable list that contains any number of Tasks

## 3 Mockups

In the appendix of this document, you can find different prototypes of the application. These mockups are not meant to be conclusive requirements for the final version of the user interface, they just serve as a basic visual representation of the provided features.

## 4 User Stories

### 4.1 Basic requirements

Those are the requirements that are required to pass the course.

As a user, I want

- to use the app without registration so that I can access it quickly and easily
- to be able to create, edit and delete multiple tasklists in each board so I can better organize my tasks

- Created list can hold many cards with specific tasks
  - Created list has a name that identifies it in the board
- to be able to edit existing cards in a tasklist so that I can fix mistakes and add new info
  - Edited card has updated information
  - Edited card is visible in a tasklist
- to be able to drag and drop tasks between tasklists to update the status of each task
- to be able to see the changes made by other users to each board to allow further cooperation
  - The changes will be visible in my overview
  - The changes will also be visible in other users' overview
  - The actions of different users will be synchronized

As an admin, I want

- to have a server so it can manage cross-client communication
- to be able to restart the server without any user data loss so that object persistence can be maintained
- the server to function independently from the clients so it can work in the background
- the server to be able to send data to the client without being prompted to do so by the client so that two-way communication can be possible
- to be able to add/delete any data from the database so I can maintain it in order in case of any problem.

## 4.2 Multiboard requirements

The ability to create multiple boards and a dashboard page to access them by id.

As a user, I want

- to have a dashboard so I can join different boards
- to have a search bar where I can search for boards by id so I can join boards (only) when this id is shared with me
- to be able to create and access multiple boards so I can manage all of my projects

### 4.3 Advanced task cards

The ability to have details connected to a task card.

As a user, I want

- to have task descriptions so I can understand my tasks better
- to be able to have a nested task list, so that I can divide my tasks into smaller sub-tasks which will help productivity
  - It is visible to which task added subtask refers to
  - One task can have multiple subtasks
- to be able to add tags to tasks so I can categorize them

### 4.4 Customization

The ability to customize the application and the individual tags.

As a user, I want

- to have a dark mode so I can work at night without eye strain
- to be able to change the tag colors for tasks so I can categorize my tasks more efficiently and more visually
- to be able to customize the board with a background so that it has a more pleasant appearance

### 4.5 Keyboard Shortcuts

The ability to use keyboard shortcuts in the application.

As a user, I want

- to be able to add an item (board, list, or task) using a shortcut so I can work more efficiently
- to be able to go out of the task details page / a board with a shortcut so I can work more efficiently

### 4.6 Protected Boards

The ability to render specific Boards inaccessible to unauthorized users.

As a user, I want

- to be able to set a password for a board so that only authorized people can edit it

- to be able to enter the password for a protected board so that I can edit the boards for which I know the password

As an admin, I want

- to be able to bypass the password protection of a board so I can moderate my application