

User Stories

Stakeholders:

- **User:** every person who needs to manage activities, make a schedule
- **Admin:** A person that manages the server, e.g., starts the server locally or imports to do, doing and done list into the DB

Terminology:

- **Board:** consists of 3 columns and can be accessed by the user using a name and key
- **Card:** A collection of tasks
- **Task:** The description of work/task to do.
- **Column:** A collection of cards with a name
- **Tag:** Some description we can add to the card
- **MultiBoard:** consists of more boards

Mocks:

You will find several mocks of the application in the appendix. These are not meant as definitive requirements for the final form of the UI, they only exist to illustrate the intention for the different features. We explicitly **do not expect that you simply clone** the mocks, you have **artistic freedom** to design your quiz application as you see fit. **Go wild!** :)

MUST Requirements (needed for passing)

Note that ALL minimal requirements have to be met to pass the course.

The app must:

- be a client-Server application
- be implemented using both Spring Boot and JavaFX
- allow for the auto-synchronization of local overview with the server
- allow multiple users to connect to the server and resolve any concurrency conflicts

As a user, I want ...

- to be able to connect to my specific user
- to be able to see all existing boards
- Auto synchronization of overview
- to be able to Drag and Drop cards into the columns of the board
- to be able to create cards / columns with a title and description
- to be able to delete and modify cards / columns
- safety of the information in the to-do app
- to be able to create, modify, and delete tables
- to have my own columns of available boards and I have access to them

As an admin, I want ...

- to manage(delete/add etc.) users, columns, cards, boards in the server's database
- To be able to simply keep the server running in the background and that the server does not crash when a client logs off.
- to be able to stop the server without loss of data
- to be able to host multiple clients at the same time on the same server, to be able to resolve any conflicts

SHOULD Requirements

Note that no SHOULD/COULD requirements can substitute mandatory requirements.

As a user, I want ...

- set due dates and reminders for cards or columns
- to add, modify, and delete tags from the tag list
- to be able to assign tags to specific cards
- to be able to add a description to a card
- to be able to add, tick, and untick tasks in a card.
- To join other boards using their respective name and key.

As an admin, I want...

- To be able to manage the tags in the server's database.
- Backup and restore the database for disaster recovery
- Set user roles and permissions for different levels of access and functionality
- Customize the server settings and configurations to optimize performance and scalability

COULD Requirements

Finish the SHOULD requirements before starting with COULD.

As a user, I want...

- Customize the appearance of my boards, cards, and tag with different colors or themes
- To be able to use the keyboard to interact with the application
- To be able to use keyboard shortcuts to run important and frequent functionalities.
- Assign cards or columns to specific users or groups

- Filter and search through my cards and columns for specific keywords or labels
- to be able to drag and drop tags
- to be able to see my progress at a certain card based on the number of subtasks completed (in a certain card)
- to be able to add passwords to the board that I create that prevent other users from modifying the board
- be able to change the password of a board when i have editing rights
- to have a way of resetting passwords if lost

As an admin, I want...

- To be able to implement third party integrations to the app as a feature
- To have an admin dashboard (Content Management System) as an UI specialized to the admin
- to be able to resolve new conflicts that may arise