TALIO - Backlog

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General:

 Assignment name : "Your personal Task List Organizer" **(TALIO)**

Stakeholders:

- **User:** Any user that is able to add "cards" in order to organize their tasks.
- **System Admin:** The people that manage the server, application and its components (like the board).

Terminology:[1]

- **Card:** Text that describes a certain task with a title and potentially a description, state, and "sub-tasks".
- **Sub-task:** A checkbox list that describes smaller items that need to be completed within a *card*.
- **Collection:** A group of *cards*, organized as a list with a name, which is used to categorize them (like level of completion, different department-related tasks…)
- **Board:** A set of all the *collections*, together with additional functionalities.
- **Overview:** a view of all the boards that are in the app.
- **Drag and Drop:** the ability to move a *card* from one *collection* to another within a *board*.
- **Auto-synchronization:** the board updates automatically after each change that has occurred.
- **Registration**: is the process of entering user data for signing into the application.
- **Tag:** a label that can be attached to a number of cards to further categorize them.

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[1] Note: all terminologies within the requirements will be *italicized*.

Epics, User Stories, and Acceptance Criteria:

Key:

Epic:
- User Story
  - Acceptance Criteria

Epic: Minimal Application

This epic contains the basic features for the To-Do List Planner. These basic features are needed to provide a minimal functioning application to the user so that they can organize their tasks.

As a user, I want…
- To be able to access the application without the need for *registration*, so that I can easily access the application.
- To be able to add a *collection* to a *board*, so that I can further categorize newly created tasks.
- To be able to add a *card* with a title to a *collection*, so that I can fill in my own tasks, according to my needs.
  - The *cards* are uniquely identified by their titles on the *board*.
- To be able to edit an existing *card,* so that I can fix any mistake.
- The option to remove a *card* from a *collection*, so that I can keep the *board* organized after I finish a task or if I made a mistake.
- The option to remove a *collection* from a *board*, so that I can keep the *board* organized after I finish a task or if I made a mistake.
- To be able to *Drag and Drop cards*, so that I can easily change the collection in which a task is located.
- *Auto synchronization* of the *board*, so that I don't have to worry about reloading the page after I modify any item on the *board*
  - Created cards, collections, and associated information are stored.

As a system admin, I want…
- The system supports multiple users so that changes of one user are actively represented to all users in real-time.
- To be able to restart the server without data being lost so that maintenance is easy.

Epic: Multi-board

This epic contains the functionality to have multiple boards so that each board retains the functionality of a singular board while also having new functionality related to multiple boards. This is so that the user can manage their tasks on a larger but more specific level.

As a user, I want…
- To be able to create a new *board*, so that I can separate unrelated *collections* sets.
    - A user is able to perform the same operations on any *board* (see minimal application epic)
- To be able to switch between different *boards*, so that I can use more than one *board*.
- To be able to join *boards* by name, so that I can group similar categories of *collections* of *cards* together.
- To be able to delete *boards*, so that I can remove *boards* that are no longer useful.
- To have an *overview* of all the *boards*, so I can view any of them.
- To be able to select a set of *collections* from a specific *board* and move it to another *board*.

Epic: Detailed Cards

This epic contains the functionality for a more in-depth card to describe a task in more detail. This is so that the user themselves can plan out their tasks with more details.

As a user, I want…
- The possibility to add a description to a *card*, so that I can expand on it without having to prolong its *title*.
- The possibility to add sub-tasks to a *card*, so that I can also map more complex tasks that need multiple sub-steps to solve.

Epic: Tag Support

This epic contains the functionality for a tag to be able to further categorize a card. This is so that the user themselves can identify and observe how different cards relate to one another with more detail.

As a user, I want…
- To be able to attach a *tag* with a name to a *card*, so that I can further categorize my *cards* based on this *tag* in addition to its *collection* .
- To be able to remove tags from *cards*, so that if I make a mistake I can fix it.

Epic: Customization (Background, Tag Colors)

This epic contains the functionality for customization of the application (from boards to tags). This is so that the user themselves can plan to adapt the application to their liking.

As a user, I want…

- To be able to change the color of the *cards*, *tags*, *collections* and *boards*, so that I can make the service more visually appealing, according to my own taste
- To be able to change the text size, so that I can make reading of the text more comfortable.
- To be able to view the application in dark mode, so that I have less strain on my eyes.
- To be able to change the font, so that I can match my visual preference.
- A reset/default button, so that I can get back to default customization settings.

Epic: Keyboard shortcuts/usage

This epic contains the functionality for keyboard shortcuts and their ability to make the actions of the board more efficient.

As a user, I want…
- To use the keyboard shortcut <u>ctrl+N</u> to add a new card, so that a new card can be inserted more efficiently.
- To use the keyboard shortcut <u>ctrl+C</u> to copy a clicked card, so that a selected card can be copied more efficiently.
- To use the keyboard shortcut <u>ctrl+V</u> to paste a card, so that a copied card can be placed in the desired spot.
- To use the keyboard shortcut <u>ctrl+X</u> to cut a clicked card, so that I can move a card from one place to another more efficiently.
- To use the keyboard shortcut <u>ctrl+E</u> to rename a clicked card, so that I can fix a mistake in the title name, if someone made one.
- To use the keyboard shortcut <u>del</u> to delete a clicked card, so that I can delete a selected card more efficiently.
- To use the keyboard shortcut <u>enter</u> to finish creating a new card, so that I can finish the creation of a card more efficiently.

Epic: Password protected boards (read vs. write)

This epic contains the functionality to secure a board by the use of a password. This is implemented such that only specific users can edit a password protected board.

As a user, I want…
- To create a *board* which can be password protected or not, so that I can securely add and delete tasks there.
- Only authorized users are able to perform any operations on that *board* (see minimal application epic)

As a system admin, I want…
- To be able to access password protected *boards* without restriction so that I can manage *boards* in case users forget their passwords.

Epic: Board Statistics

This epic contains the functionality for information management of cards, so that both users and system admins can understand the relationship between tasks and their state on the board and retrieve associated data more efficently.
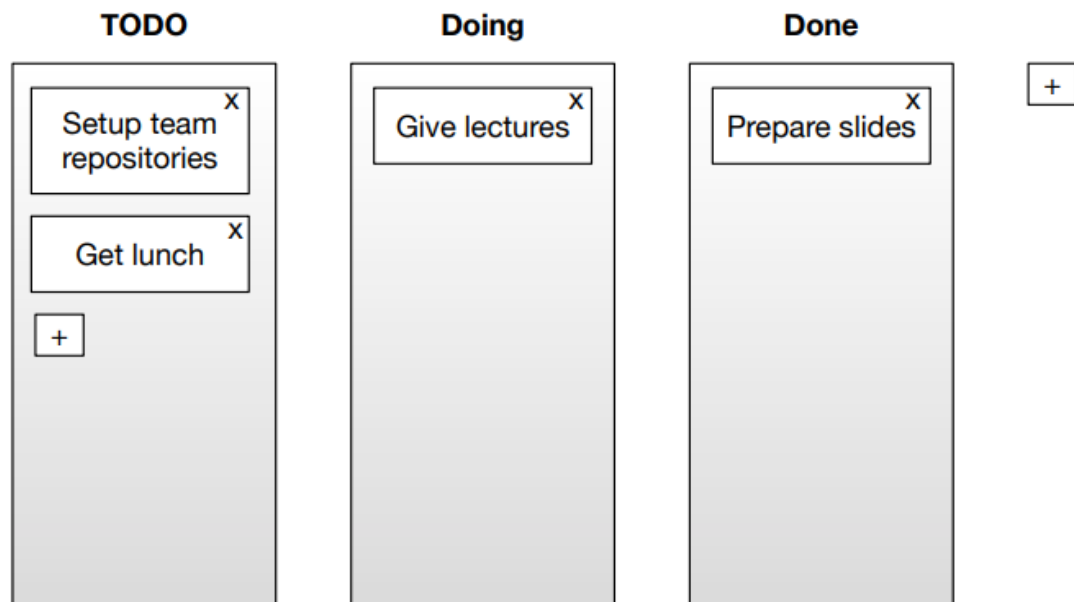
As a user, I want…
- The option for querying "cards" by tag, description, or board names, so that I can find a group of cards under a filter quickly.
- See more information on the card other than the title, so that the board is more informative.

As a system admin, I want:
- To be able to generate a report of the current tasks present on all boards, so that I can keep digital human-readable copies of the app data.
- To have a log that keeps track of users that enter the website, so I can keep track of anything that is happening on the website.
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Mockups:

x

Prepare lecture slides

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

Tasks

[x] Collaborative Software engineering   X

[ ] Git Assignment   X

urgent (x)   teaching (x)   +