

Computing for Voluntary Welfare Organizations, AY2020/21—Assignment

Mid-assignment submission

Basic use cases:

1. User can add, view, edit and delete the task
2. User can attach and detach multiple tags to task
3. User can search task by name of task and its tag

Extended use cases:

1. User can nest tasks (ex: can make sub-tasks of task)

Execution plan:

Basic Goal:

1. Implement frontend with React (+typescript)
2. Implement backend with Rails API
3. Implement CRUD for tasks
4. Implement CRUD for tag and search by tag

Extended Goal:

1. Use Redux on frontend
2. Use Cron
3. Use Docker
4. Use hosting
5. Implement nesting features for task

Currently, assignment is done until Basic goal 3.

Problems:

- This was the first time using React and took more time to learn and get used with it than initially planned. This lead to delay in schedule.
- Difficult to make UI modern and also clear to users.

Suggestion:

- Reduce time implementing Frontend by reusing the React component.
- Try to find a good design in online for inspiration. Also, use and modify UI related library like Modern-UI React so I don't have to implement UI from scratch using HTML and CSS