Name: Marcus Pang Yu Yang
Repository link: https://github.com/marcuspang/cvwo

Reflections

Quite a few features that I wanted to implement were not done in time, which was quite unfortunate. During the process, I enjoyed learning new frameworks and libraries to use for this application (react-hook-form, Redux Toolkit, Redux Toolkit Query, and Golang).

I also managed to accomplish what I set out with regards to the deployment of my application, where I Dockerized my Golang backend and hosted it onto Heroku and published my frontend application on Vercel. I had quite some trouble with using Docker and Golang, but I managed to figure it out and consequently learnt a lot along the way. Additionally, I spent quite some time with re-familiarising myself with CORS again as I had some difficulty getting my JWT token to be stored with the Set-Cookie Header due to CORS issues.

Personally, I felt that I could have accomplished more and developed the application more thoroughly, especially with regards to the additional features that I listed below. As such, I feel somewhat disappointed at my progression, but I will continue to work on this project once the grading is over.

All in all, I hope that I can use my abilities and time meaningfully in the near future, by helping out welfare organisations. I feel strongly with regards to volunteerism, and hope to be able to give back to society by helping them with this field of technology..

Features To-Do List

1. Authentication
  - [x] Users can register/login using traditional email and password through Go backend
  - [x] Validation is done on frontend and backend
  - [ ] Users can edit their email and password
2. Tasks
  - [x] Users can create/delete/update tasks
  - [x] Tasks are stored in a list
  - [x] Tasks have due dates
  - [x] Tasks have labels

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- [ ] Tasks can be dragged and dropped into other lists
- [ ] Tasks can be seen on the calendar

3. Lists
- [x] Users can create/delete/update lists
- [ ] Lists can be sorted based on creation date, labels, alphabetical order

4. Calendar
- [ ] Users can see all tasks with due dates assigned
- [ ] Clicking on a date creates a new task

5. Miscellaneous
- [x] Board/Table view
- [ ] Trash bin to show recently deleted tasks
- [ ] Users can search through tasks and lists
- [ ] Notifications can be given based on the due date
- [ ] Tasks can be shared/assigned to other users (edit access)
- [ ] Lists can be shared/assigned to other users (edit access)
- [x] Dark mode