CVWO Assignment Write-up

Truthfully, I am quite bummed about the amount of work I completed in this assignment. My biggest regret is not finding out about the assignment sooner, resulting in a somewhat rushed assignment done in a week that I feel could have been better had I started earlier.

However, aside from the disappointments, I feel that I also gained a lot over the past week attempting the assignment. As it is my first time writing a whole web application from scratch, I started out struggling to find my way around. My lack of understand towards Ruby on Rails also did not help at all.

Backend was one of my biggest problems. I have some experience working with express and typescript coming into the assignment, however this MVC pattern of the Ruby framework was quite alien to me. Furthermore, I also struggled to find my way around the configurations of the boilerplate repository for quite some time, especially the way ruby generates models for you automatically. I did feel a little bit more used to it towards the end though.

I also did face some challenges while developing the front end of the to do app. While I was reading the assignment details, I realised that this would be a good opportunity for me to do some experimentation with the react-redux ducks file structure since I have not tried it before (although I think I might have deviated from it). I also experimented with redux related packages which I have never used before (eg. @reduxjs/toolkit). Although I previously had experience working with react, working with react + typescript was also a relatively new experience for me (I am still trying to figure my way around). I think I am going to stick with react typescript from now on because I really like the autocomplete support with visual studio code.

All in all, I feel that although I managed to somewhat work out a submission for task 1, I am still disappointed that there are still many bugs with the application that I have yet to fix, as well as task 2 that I haven't got around to implement. However, I am grateful for the opportunity to begin exploring a new framework which opened my eyes and allowed me to step out of my comfort zone.
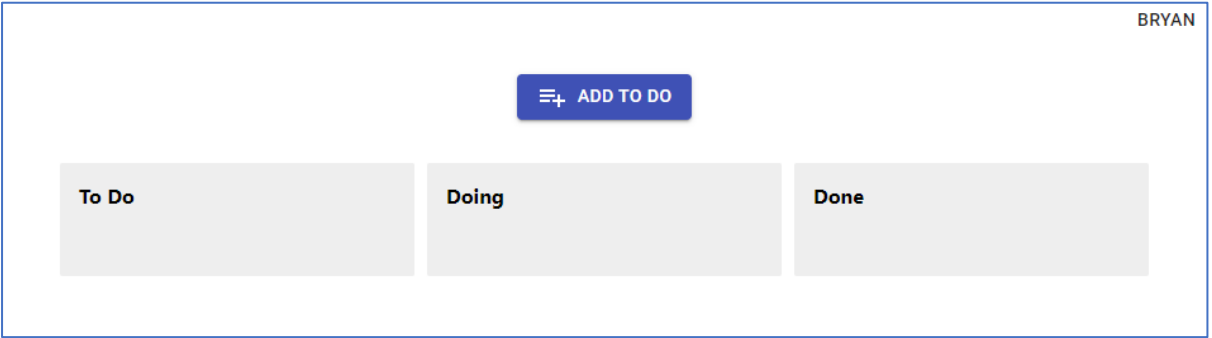
User Manual

Visit https://hopeful-shaw-98ce18.netlify.app/ to check out the deployed production of the To Do App.

Upon visiting the website for the first time, you will be prompted to provide your name.

(This was originally intended to be used to retrieve to dos based on user id (saved in local storage) but the feature is incomplete.)

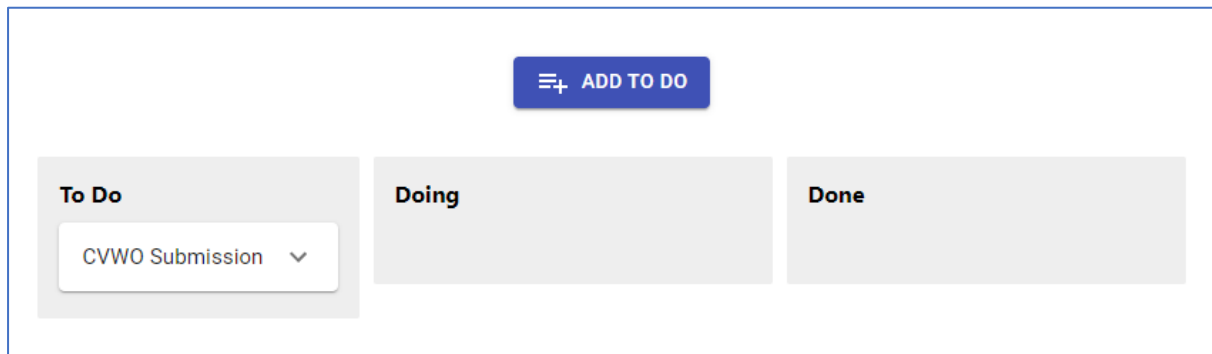The main dashboard of the To Do App looks like this:

To add a new to do, click on the "Add to do" button at the top of the page, then fill up the fields in the modal card.

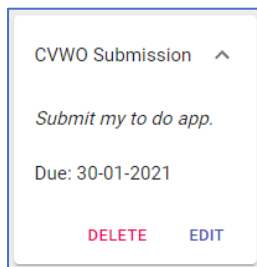Input the title, description, due date and status of the to do then click save.

Your to do should be added into the column that corresponds to the status of the to do. The to dos are sorted with the earliest due date at the top.

You can expand the to do to view the description and the due date, or drag the to do from one column to another to change the status of the to do.

After expanding the to do, you can either delete the to do by clicking on the delete button, or edit the details of the to do by clicking on the edit button.

The edit button opens up the edit card modal which is the same one as the one displayed when you add a new to do.