

CVWO Final Submission

1.0 Accomplishments

The process of creating this task manager has been a difficult yet fulfilling one, especially since I am completely new at web development. I already had difficulties just understanding the terminology such as the MVC, Rails, React, and relational databases, let alone learn how to use them. However, I still tried my best to do my own in-depth research to understand as much as I can before I started on the project. I have definitely learnt a lot and my understanding on the concepts have vastly improved.

While actually creating the application, I struggled with following the guide as it was not easy to see the big picture and understand how all the different parts linked together. It was also hard to debug the code when everything is still so new. Nevertheless, I think I found my own ways to link everything together, such as by watching YouTube videos and doing a lot of trial and error.

I referred to an online guide while creating my app:

<https://medium.com/@pamit/todo-list-building-a-react-app-with-rails-api-7a3027907665>

For task 1, I managed to implement the basic CRUD functionality. My “Edit task” has a bit of a problem, where when I type the task, it will appear on all the text boxes, including the one for “Add task”, however it still works in editing the current task when I click “Enter” on my keyboard. I suspect this is due to putting the codes for both into one component. Separating them might have solved the problem, but unfortunately I did not have time to fix that. Despite that, it did not hinder the functionality of the app.

For task 2, I added another tag column on my table for the tasks. However, since I did the CRUD functionality first, I had trouble trying to implement the tag system after everything was already put in place. I created a search bar to search for the tasks which have the tag that is inputted by the user, however I have not implemented a way for the users to input their tag for each task. I wish I could have had more time to add this functionality.

2.0 User Manual

2.1 Running on localhost

1. Open Terminal
2. Change directory to application folder
3. Run the following command on Terminal: `$ heroku local -f Procfile.dev`
4. The application will automatically open on localhost:4000

2.2 Create Task

1. Type task on “Add task”
2. Click “Enter”

2.3 Edit Task

1. Type the edited version of the task on “Edit task” of the same row of the desired task
2. Click “Enter”

2.4 Complete Task

1. Click the checkbox
2. A tick will appear on the box to mark that the task has been completed

2.5 Delete Task

1. Hover your cursor on the same row as the task you want to delete
2. A “Delete” button will appear
3. Click “Delete”
4. A confirmation will appear to notify that the task will be deleted
5. Click “OK” to proceed, or “Cancel” to cancel