

Final Assignment Write-up

This is my first time to learn how to create a webpage. The path of learning new knowledge is always tough and crumble but also quite interesting, especially when accomplishing the goal. I still remembered how I felt when I could not find where the bug is, and how I felt after I solved one and another problem and the view successfully displayed on the screen (although sometimes with the help of online forum). From installing and creating Rail environment to learning how to use react and material UI to design my webpage better, I think all these processes improve my problem-solving skills. Now when I encounter a new problem, rather than being confused and frustrated, I will immediately look at the error report and think about how to solve it. Besides, I broadened my horizon and get touch with many useful tools when I search for solutions on the internet, and they are my best friends who make my life easier. Also, I have learned how fast things change and develop in the world of computing: sometimes I would release that the problem is not from my code, but because the new version has deprecated some old methods or deleted some packages, so I need to consider how to the existing methods and packages to achieve the same outcomes. Whenever I successfully solved a problem, I would feel I am closer to the goal and move on to the next step excitedly. Finally, one night, I finished up the application using React and Rails. Although at that time there is still space to improve since I had not started the UI part, I will never forget the excitement and happiness I had.

I chose to use material UI as my React UI framework. When implementing it, I realize I cannot use the codes given directly because many of them use hook functions which are not supported by my components which are created by Class. Besides, it is not always the case that it has the functionality I want, and sometimes I need to figure out by myself. However, designing will never be bored, and I am quite satisfied to see that the webpage becomes much more beautiful.

In conclusion, apart from some basic knowledge of rails and react, I have also learned some skills on how to solve problems in coding (read error reports and try to fix it; if cannot, search solutions on the Internet), and thinking about if I am a user, what features will I want for a todo manager, then try to achieve these features. My little regret in this assignment is that I do not have enough time to do the application again using typescript, so I just did a tiny webpage written in typescript which has no relation with the todo manager. Besides, I really appreciate this assignment because it made my vacation meaningful since I learned new knowledge, and also kindles my interest in developing websites, and I would like to learn more about it in the future.

User Manual:

Create a new item: enter a name, pick a date, and choose a category, then click “SUBMIT”

Read all the items: All the created items will be shown in a list below the creating area.

Update an existing item: click “EDIT” button on the right side, users can edit the name, date, and category.

Delete an existing item: click “DELETE” button on the right side.

Search keywords: users can enter the name/date (format: DD-MM-YYYY --:--)/category for a certain item in the search box, then the list will only show the items that have these keywords.

Gao Gui