**CVWO Final Assignment submission**

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Heroku link: <https://task-app-2021.herokuapp.com/>

**What I feel about my accomplishments**

I am quite pleased with my work**.** Prior working on this assignment, I have zero experience working with both frontend and backend. I have not written a single line of HTML or CSS code and I do not have any experience working with backend development. This CVWO assignment is extremely beneficial and I genuinely learnt a lot from it. I am glad that I decided to take up this assignment and I would also like to take this time to thank my TA Hanming from CS1101s for constantly telling us about how beneficial taking up this assignment is.

Firstly, through this assignment I managed to learn how to use React for frontend. Having not written any real-world application for JavaScript learnt from CS1101s, I find myself quite lost at the start. Despite a rough start, I have learnt to use popular libraries like Bootstrap and Material UI for frontend design and react Axios library to handle rails API request, response and error. This allowed be to understand how frontend interacts with the backend and how to design a responsive webpage. The knowledge gained will help me in doing frontend design for my other web projects.

Secondly, I have learnt the principles of MVC (Model, View, Controller) framework. Since I have not done any backend before, when I first started ruby on rails, I was overwhelmed. But after really understanding and working with rails, it allowed me to understand what rails is doing behind the scenes like how model, view and controller interact with one another and I really learn to appreciate rails on parts such as how we can work with databases without knowing SQL.

Even though I am quite happy with my accomplishments, I am quite disappointed that I did not achieved everything that I wanted to do. I did not manage to add typescript, password recovery and, I feel my frontend design could have been better.

In conclusion, I feel that despite I did not achieve everything I set up to do initially, I am pleased with what I have learnt in such a short period of time. I am really thankful that I have gotten this opportunity and I appreciate the resources provided in the pdf. This assignment taught me how to make use of online resources and how to troubleshoot my program.

**Short user manual**

**Registration**

Going into website, you will see the login page. To register click create account.

To register an account, you need provide pass