This is a writeup about this CVWO project. I will be writing about my thoughts and accomplishments, along with a user manual on my app.

My thoughts and accomplishments

Regrettably, I am unable to fully complete this assignment as I have not implemented the tags system. Initially, I thought the implementation would be easy, since it would just be checking the user input against my database tags column, and the controller will just pull it out from there. Essentially, I would run the inputs and break it into individual tags, then have the controller do something like "SELECT * FROM tasks WHERE tags = (the tags here)". However, my currently poor understanding in how rails work made it hard for me to implement it correctly and I couldn't create the correct action by the deadline.

Overall, through this CVWO project, I have learnt a lot about web programming, yet I still feel that I only barely touched the surface of it. I finally understood how the front-end of the website interacts with the back-end to push and pull data. I also understood how React and Rails work, where React creates this components based webpages and Rails work with React to bring the required data from the database to the components. I am glad that I took my time to try learning web programming through this assignment even though it has been quite tough.

I am proud to have made a semi-working task management web app without any prior knowledge about this. Honestly, I am also disappointed by my progress, and I feel that with better time management I could have completed this project. However, I will try to continue and add on to this project when I can find time.

User Manual

My webapp starts off with an introductory webpage. This webpage only serves as my homepage, which I believe could be removed but I liked how it looked.
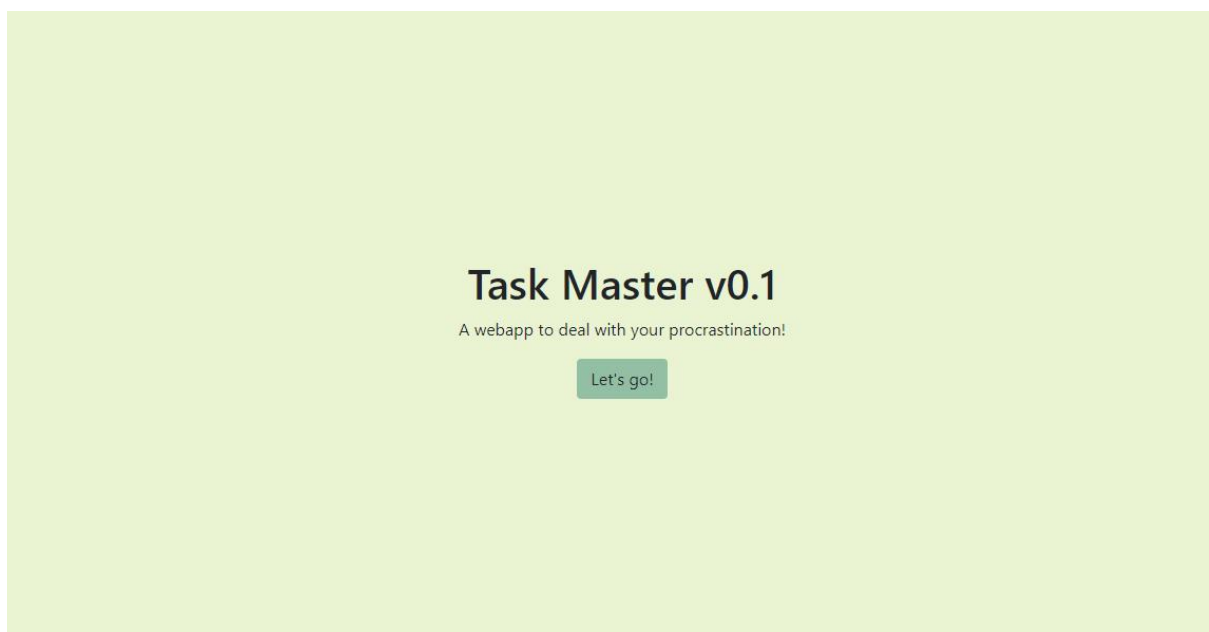

Figure 1: Homepage

Upon clicking "Let's go!" button, it brings the user to an overview of the tasks in the database.
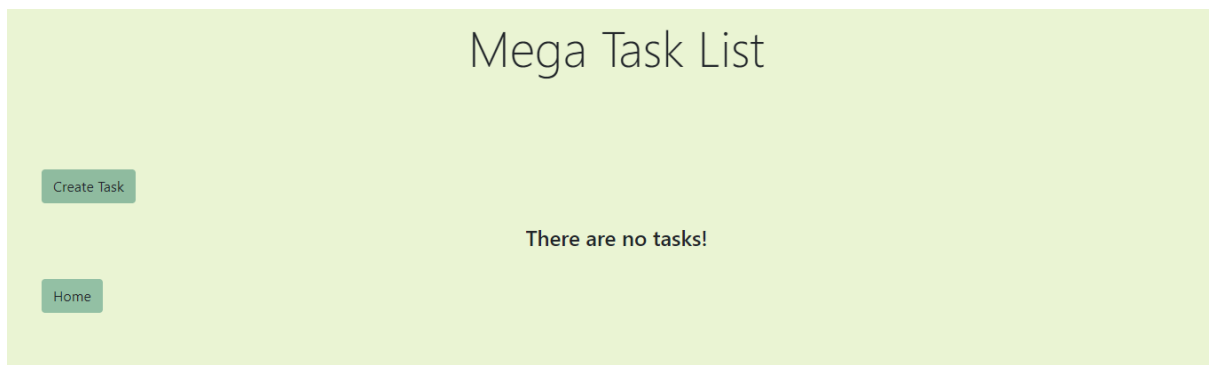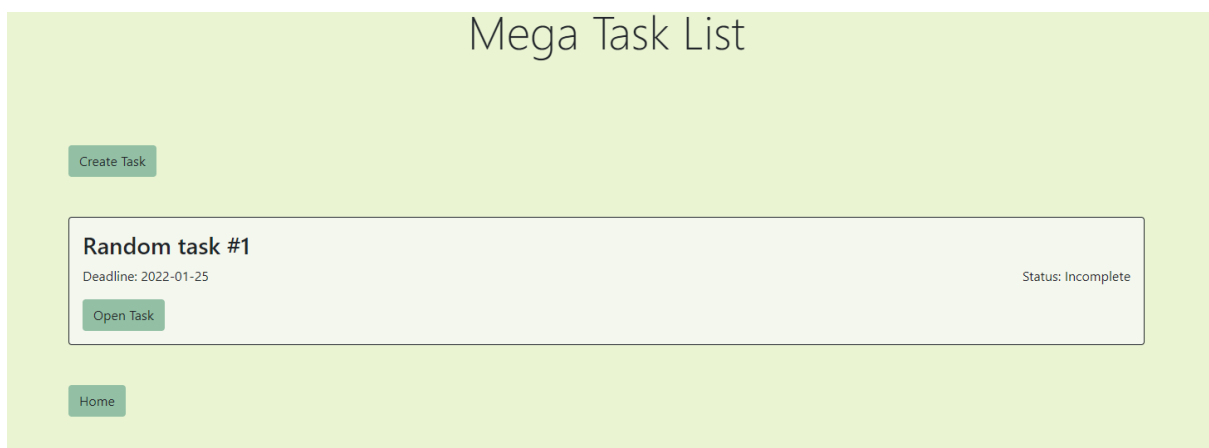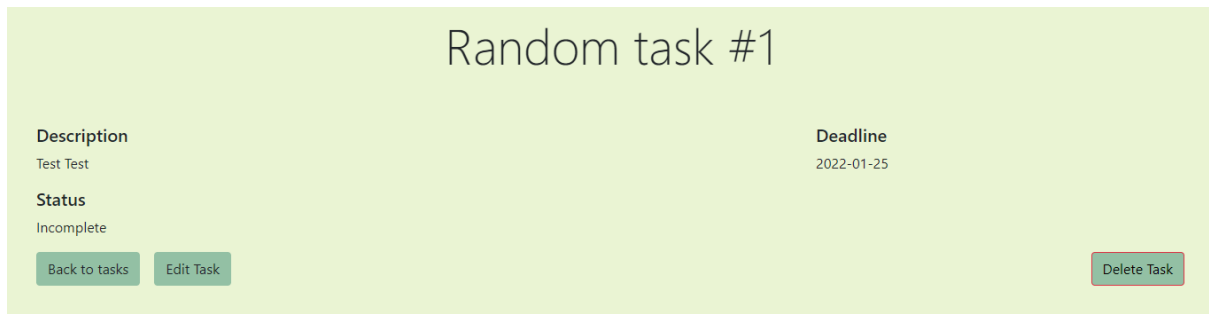

Figure 2: Overview with no Task

Figure 3: Overview with task

At the overview page, the user can choose to create a new task or view the individual task.

Figure 4: Task Creation Page

Create task brings the user to the task creation page, where the user can input the task name, description, and deadline.
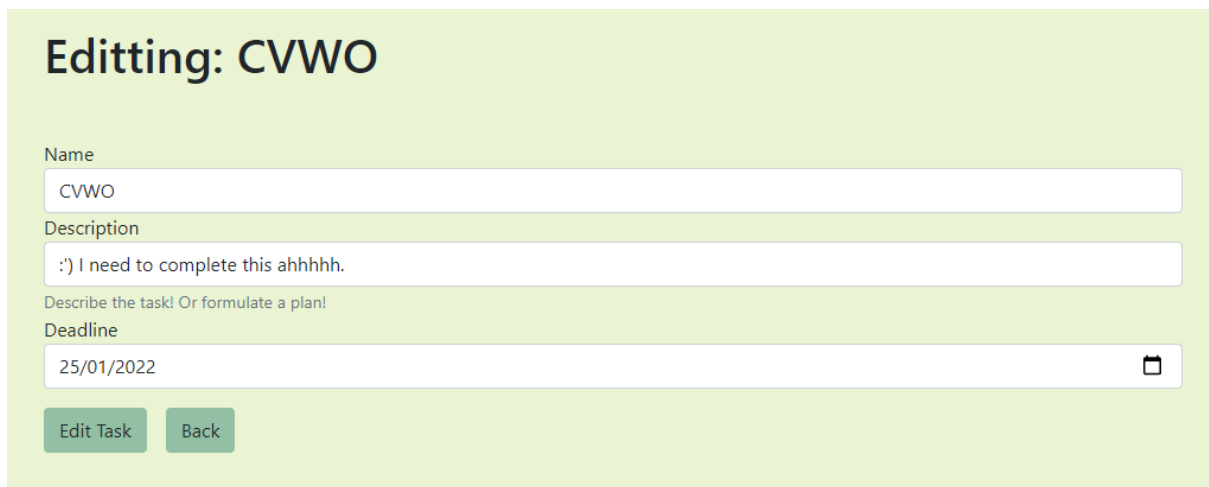
Figure 5: Single task view page

From the overview page, the user can also view the individual task. This page also allows the user to delete or edit the task.

Figure 6: Task edit page

The final webpage in this webapp is an editing page where the user can change the inputs and make amendments to the task.