Ethan Chen Ee Shuen A0219810J Final Writeup

Link: https://cvwo-tasky.netlify.app/

1) What I feel about my accomplishments

This is the first time I've ever created a full-stack application. Before this, I had minimal experience with React and zero experience with the backend.

Through this assignment, I had learnt many things. I finally understood how the frontend is able to communicate with the backend through RESTful API. I also learnt about the MVC framework, which was confusing to me at first, but made much sense as I started coding the backend. I also learnt to appreciate the simplicity of Rails as it had automated many of the jobs for me by generating different boilerplate codes. Using rails, I finally appreciated the ease of linking multiple databases together via Association, as I had anticipated that it would be a nightmare to implement had Association not existed.

I also learned how to use Git and GitHub while I was working on this project, Git made life so much easier as I am always able to roll back my code if I made a mistake. Surprisingly, hosting the backend and doing user authentication turned out to be the part that stumped me the most, but I was unable to sleep for a day when I finally fixed them due to my excitement.

I must admit that I had started the project far too late as I only had a few days in total to learn and complete this project in the end, which ended in me building a subpar code base and a simplistic looking website. There were many things that I wanted to implement, such as using Redux and Context instead to store my states, but I had to give up since I did not have enough time to learn them.

Overall, I am much more interested in building my application after this assignment. I'm looking into building my own card game soon! I really enjoyed the learning process; however painful it may be! It's through this project that I've been so excited at coding my website that I couldn't fall asleep. I never thought I would be able to build my somewhat functional (although crappy) website while learning the technologies needed at the same time within a few days. I'll keep working on improving my website and my skill in the meantime. I hope to contribute and learn more through CVWO.

2) User Manual
The user is greeted when they enter https://cvwo-tasky.netlify.app/ . The website supports user authentication via JWT and Devise.

User
To use the website. The user would have to sign up / sign in by clicking in the Sign In button at the top right-hand corner on the website (On Desktop).

Sign Up (/signup)
      Key in the email and your desired password twice. Upon successful sign up, the user would be directed to the Sign In page(/signin). Otherwise, they would have to key in a valid entry.

Sign In(/signin)
      Logging in requires prior sign up of an account. The user is given an authentication token upon correct log in, which is stored in the localStorage of their browser. The token is used to send requests specific to that user.

Resetting or Changing Password (/settings)
      If the user wishes to change their password once they are logged in. Click on the "Settings" button at the top right corner in the navbar.

Forget Password (/forgotpassword)
      If the user forgets their password, but remembers their email:
      Click on the "Sign In" button located in the top right-hand corner of the navbar.
      Then click on "Forgot your password?"

To-do's List

The website supports basic CRUD functionality:

Read

    Each user can see their own tasks, categorized into 3 categories/sections:
    1) To-dos (Left-hand side)
    2) Urgent (Top Right-hand side)
    3) Completed (Bottom Right-hand side)

    The users are also able to search below the navbar for their tasks if they tagged
    them. Tags are marked in green. To mark a task as complete, expand it by click
    on it, then click on "Mark as Complete".

Creation

    Upon successful log in, the navigation bar would change to include "Create" on
    the top right-hand corner. Click it to be directed to (/tasks/new)
    The user could then key in their desired title, description, tags and whether the
    tasks are urgent.

Update

    To update a task, click on the desired task in the Tasks page(/tasks) to expand it.
    Then click on "View"

Delete

    Mark the desired task as complete. Then proceed to click the task again in the
    "Completed" section to expand it and clicking on the "Hide" button to
    permanently delete it from the database.