

Justin Hoe Jia Jie
A0218065H
CVWO mid-assignment submission

Basic use case

The to-do list application will enable users to create a task, attach a check list of subtasks to break down the steps needed to complete the task and attach tags to associate related tasks. From the index view, the user will be able to identify how close a task is to completion based on number of incomplete subtasks. By considering the number of incomplete subtasks together with days remaining before it is due, the interface will alert the user to attend to tasks which are at risk of missing the deadline. The user will also be able to review previously completed task and filter tasks based on tags.

Execution plan

As of now, I have implemented the required CRUD functionalities for Tasks, Subtasks and Tags with little to no styling. I'm looking for a way to implement a unique user-login to accommodate for multiple users of the application with each having their own set of data. Currently looking at Ruby Gems Devise but have yet to fully comprehend how I can set it up in a way that would fit into the already functioning application. Upon completing this integration, I aim to implement the styling features and focus on ensuring its user friendliness and intuitive interface.

Challenges/Potential problems

The biggest challenge I foresee myself facing is with styling. This being my first attempt at software development and having no innate artistic inclinations, getting the interface to be appeal to the user would be a challenge. Unlike issues with backend or code functionalities to which solutions can be found online, ensuring that the application is user-friendly and intuitive on the hand is not as simple since there is no one right solution. One way I hope to overcome this is to gather feedback from others on the user friendliness. I am also looking to reference "ready-made" styling from online sites such as bootstrap. I could also face difficulty in implementing the unique user function into my application as it would result in changes to the database schema.

Reflections

I have very much more to learn but am glad I decided to pick up this assignment as it gave me with a direction to work towards and taught me so much as a result. Having no prior experience, the initial phase was extremely challenging and there were demoralizing moments when I struggled with troubleshooting issues I faced. Being able to submit this report makes me hopeful. With the bits and pieces of knowledge I have acquired over the past 3 weeks (API /git/VSCode/react/CSS/html/Ruby/sql), I managed to implement a semi working though unpleasant looking app. This motivates me to continue picking up the necessary knowledge required to complete the application and thereafter beyond the final submission, continue to use this application to learn and experiment with other features.