

Reflections

I had no prior experience or knowledge in web development so I was unsure if I could actually build a web app, however I decided to give the sample app a look and was immediately hooked. I had a blast trying to learn the various basic concepts and principles of web development, especially within the rails and react frameworks. While I had some knowledge on HTML and CSS, it was nowhere near enough to be able to create a working web app, especially one with interactive elements such as a To-do app. Aside from further improving my knowledge of HTML and learning the basics of web development such as MVC, I also needed to learn the essentials of rails. Rails was particularly tricky to grasp but I feel I have learned at least the basics, such as models, migrations and routes to get started. I have also learned how to interact with these models through controllers and am very grateful that rails have greatly simplified the model and controller aspects (as I have little experience with SQL as well). While the views aspect was handled by react. Once again, I knew next to nothing about frontend as well, so it was a challenge to get it working with the backend while also looking decent. But I learned some of the principles of modern website design and how to achieve it with react features such as hooks and states. Concepts like the DOM and how to manipulate was hard to grasp initially, however as I began implementing features it became a bit easier.

Improvements

There is a ton of missing features in the app, one major one being sessions and different user account. Due to limited time, I was not able to research and implement such features, however I would like to continue improving this app even after the submission deadline as I feel that there are many more aspects for me to learn and this app provides the perfect outlet to continuously apply new concepts. I also feel that the code is not as well designed as it could be as I implemented various things after learning about those concepts in different stages in time. I have refactored the code a bit, but there is still plenty of room for improvements. I would also like to learn and use redux to better manage states in the future as states of components got unwieldy in my attempts to make the website as modern as possible.

Closing remarks

It has been an amazing process learning web development and I have learned many different concepts along the way. My app is by no means perfect, and I will continue to improve and add on to it (such as adding sessions and users and using redux), regardless I am quite happy and proud of what I was able to accomplish. I would like to thank the CVWO team for providing such a helpful started guide and hope to be able to work on more projects for CVWO!

Manual

This is app currently hosted on Heroku at <https://tranquil-meadow-81585.herokuapp.com/>. You can also clone and run it locally from this repository https://github.com/Ramanathan0908/todo_app

The creating and deleting of to-dos are accomplished using the Add to-do button and the delete icon next to each to-do item. You can also modify the to-dos by double clicking on

the individual to-dos. By default, if a new category is created it will automatically add a new tab on top. You can delete tab heading for a particular category using the delete category button.