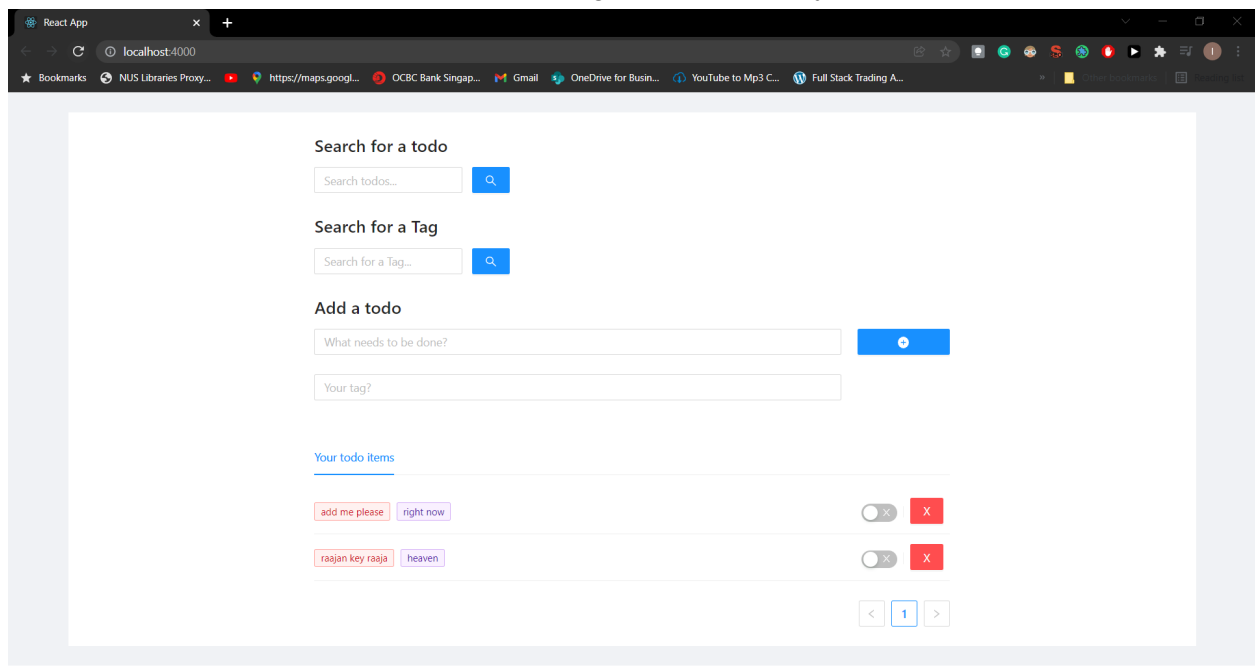Imraj Singh Sandhu's reflections for CVWO 2021-2022

If I had to describe to anyone what it took me to build the end result of this application, I would say determination & resourcefulness. I failed so many times in building this task manager system, that whenever there was progress, it almost felt unnatural. However, such is the process of learning new tech stacks, and languages, as well as new technologies. It's never easy at the start, but it starts getting more familiar over time. If I had stopped and quit when I couldn't understand how to write programs in Ruby, or when I was overwhelmed by the sheer number of files that were generated upon completing "rails new todoOffline", I would never have progressed on to "npm create-react-todoapp", let alone "git push heroku master". Although I have spent days and days trying to debug my application, hoping to figure out why I am unable to host my app on Heroku or netlify, I can't help but feel a certain sense of satisfaction looking at how far I have come. Yes, the deadline is on the 25th of January, but I am still not finished with what I have started and will continue to work on it to upgrade the project, extending more functionalities. Part of me wishes I could work in a team on this project so more can be accomplished.

I have learnt a lot from this project, and appreciate the many resources available online for learning. I hope to be exposed to more of such projects in the future and would love to be given the opportunity to work on more complex projects, in a team setting.

1. Ensure you have <u>npm</u>, <u>react</u>, <u>ruby</u>, <u>yarn</u>, <u>Heroku CLI</u>, <u>ruby on rails</u> installed on your device.
2. Download the code in a zip file from <u>https://github.com/imrajsinghsandhu/todoOffline</u>
3. Open the extracted folder in an IDE(e.g. VSCode)
4. Navigate into the downstream folders until you can see "app" folder.
5. Run the following command - "heroku local -f Procfile.windows"
6. Open another terminal, and cd into the same folder as stated in (4)
7. Run the following command - "ruby bin\rails server" if using Windows, and "rails server" if using Linux terminal
8. In the window that opens as a result of (4), refresh this page, after the backend server in (7) has loaded.
9. You should be able to see the following, less the already populated fields.

10. You can add your to-do items in the Add a todo section above. Note that tagging your to-do item is mandatory.
11. For easy access, you can search for either a todo item or a tag from the designated search bars above the "add a todo" section.
12. When you are done with the task, you can click on the dial next to the red "X" button, signifying you have completed the task.
13. To delete a task, you may click on the red "X" button, and confirm to delete.
14. The todo list allows for up to 10 items per page.

Here's a short video demonstrating the application's features:
<u>https://youtu.be/-5x02hQROY4</u>