

I have learnt a lot from this project. Apart from sql and RDBMS, I have attained a basic understanding of the React library and learnt to use the Next JS framework. Besides the content learnt in class, some things I have learnt about frontend development using Next JS are react hooks, what the virtual DOM is, custom components, contexts and the differences between server-side rendering and client-side rendering to name a few.

Going through this module has allowed me to understand that data definition languages are quite different from the languages I am already familiar with. I used to view sql as old and outdated, but now I understand that sql has continued to be used since it works relatively well. The tools and frameworks to use the language are already in place and largely built upon so there is no need to replace what isn't broken. The interaction between the frontend and backend/database is quite tedious, but is important, nonetheless. Queries need to be sanitised and optimised properly to allow a smooth experience for users.

I have managed my time as best as I could, but even then, I feel that the reduced workload from needing to create either type of user is not enough to compensate for needing to create both the frontend and the backend. It is rather difficult especially when I need to learn from scratch how I would integrate the backend into the project, considering the library I was using needed queries to be written in a specific manner to be sanitised. That is on top of learning how to create a frontend using an unfamiliar language.

As tough as the project has been, I would say that I at least somewhat enjoyed the process of learning something new on my own, even if it was tedious. I think that due to time constraints, many details I would have like to have implemented were skimmed on, such as the tables dropdown being integrated into the menu dropdown (based on the youtube video I was referencing).