

The project overall when okay. It was not the smoothest start because of the connectors with nodejs. I spent most of my time on the most efficient and secure way for MySQL to connect with nodejs. After a couple of days of research, I managed to connect successfully, but it did not end up the way I wanted. The nodejs because unstable with large datasets and did not play well together with MySQL.

I ended up changing it to PHP and using XAMPP to host. This was change allowed me to realized work around the challenges that nodejs kept giving me, but it was not the most time-consuming part of this project. The most time-consuming part of this project is trying to load large data sets into MySQL. I tried loading it through the Table Import Wizard on the workbench, and it took way too long, and after it was loaded (if it ever did, due to timing out many times), I was unable to change the table data. To solve these issues, I learned to use the LOAD DATA INFILE – this was the best way to load data and solve all my problems.

The main website that helps my figure out my issues were StackOverflow, W3Schools, and the official MySQL documentation. I avoided asking for help because I liked to try and figure out the issues I have, this way, it allowed me to learn more about the system/tools that I am using in the process, even if it does not solve the issues that I am having.

If I ever had to build an application that needed a backend, I would use the same language, but with a different backend - MongoDB?. From my research and converting, I found that PHP was secure and easy to use. It allowed me to use MySQLi or PDO API to connect with MySQL. I choose to learn and use PDO because it supported multiple backends (12 different ones); this means I would easily swap out the backend without changing much to the frontend to make things work.