

Work Log

I forgot to maintain this work log. I am completing this log at the end of the task. I will try to explain each step that I followed.

Approach Methodology/ Challenges

This task was a bit difficult and new for me. Before that I worked in NoSQL databases like Mongo DB.

First, I learned how to work in SQL in node. I watched some YouTube videos about how I can start. After watching and following some YouTube videos, I connected the node app with MySQL database. As task preference was doing in Linux. And fortunately, my laptop was already dual boot. But installation of different software for this was a bit of a challenging task. I spend time on that as well. I updated the Node and npm versions in my Linux OS and then started work. I have to install MySQL and MySQL workbench as well.

Challenges:

One of the main challenges was learning Sequelize. I have heard it before but never used it. So, I saw some videos about sequelize from YouTube explored the documentation of sequelize. Especially, about associations and defining the relations between tables was a challenging task so I tried to understand association from the documentation.

First, I started working on some large level problems like with basic CRUD API's. I complete Crud API's. I started working on the API's that need to have data from multiple tables. And in that I was working with only one user. Main problem that I faced was fetching each user's data. So, after implementing authentication and authentication. I stored the user object in the **req**. It resolved the issue. Now I am only saving the user object only for the user who are authenticated.

I revised the authorization concept for saving and creating JWT. That was not a difficult task. I faced the problem with validation. I learned proper user validation.

Overall Analysis/Takeaways:

That was a good assignment to check the knowledge. I learned so many new things and refreshed some old concepts.

I learned Sequelize, validation **Mysql3**, **express-validator** and revised middleware, authentication authorization concepts.

