

# **Thought note on the**

## **FSD-BackendModule-CapstoneProject – 2**

In this Thought Note i will be writing down my thought process while doing the moduleAssignment in following steps:

1. To begin, I thoroughly reviewed the assignment problem statement multiple times until I achieved a complete understanding.
2. Having gained a comprehensive understanding of the assignment requirements, I created the main assignment solution folder/directory. -> CapstoneProject2-arsinghbusiness@gmail.com.
3. First I started with the backend of the project following the steps given in the assignment problem paper. According to it, first I set up the server, then connected to the mongodb database using mongoose, then I created the schema for the user and tweets. Then I proceed to the routes in the similar way(making a route folder to have all the routes in there ) and finally I implemented the logic for all the functionalities in a controllers folder. Also at last i created the file upload and download route and handler for the images uploading and downloading.
4. Then I proceeded with checking all the api routes with the postman to make sure they were functioning as expected. And this was basically the backend part finished.
5. Then I started the frontend of the project by initiating the "npx create-react-app (directory name)" and created the starting folder structure.
6. Then I moved to the src folder and created the components folder along with all the required components. Also i created a separate styles folder to store all the css files containing the styles which were then imported in the required component.
7. Then I created the pages folder and created all the required pages that were asked in the assignment, here i first rendered the html and then proceeded to style them and finally integrated with the backend using fetch api and used toatify package to produce all the required notifications.

8. Then I moved to the app.js file in the src folder and imported the BrowserRouter, Route, Routes from react-router-dom which i installed. Then I created the route for all the pages, and connected them in the header components navigation section with the links in the navbar
9. The process to create pages for me was - firstly I created all the auth pages (login, signup), then I went for the tweets pages (like home, tweet page), and finally I finished with user(profile).
10. In between I encountered quite a few situations where I got stuck but with the help of Sonam mam , google and the documentation of the related technology i finally finished the project with success .

Finally,After integrating the frontend and backend I performed a thorough local test of the app for errors and bugs, ensuring that there were no mistakes. I then added relevant comments and documentation to the assignment solution code.And at last i deleted the node\_modules folder and its contents as the size would not fulfil the size requirement.

**Thank You**