NOVELTY TECHNOLOGY

PORTFOLIO MANAGEMENT SYSTEM :-

At first with the help of Express js I developed an API which receives data from the client. I did not directly develop client side(frontend) .I use postman tool to send data and receive the required data through API in an request and response manner.After successfully creating required API I create an React app . In src folder I have developed necessary components that are required to perform necessary operations.

In frontend part I have mentioned five basic routes and they are :- Dashboard, About –Me , Buy-Sell ,Transction Details and Profit –loss. In Dashboard and About me section I have used basic React js concepts and props .While in Buy-sell section I have created a form which take required inputs from client and with the helps of axios (- which helps to communicate with created API) and send the data to API and thus API sends the data to be stored in Database(MONGODB).in this way the datas are send from client side to server side .

Also in Transaction Details I again use Axios method called axios.post() to send data to database and axios.get() to get the required data that are stored in database.In this manner the data from the database are retrived and thus printed in table format along with date and time , transction type , amount etc…

Also at last for more attractiveness I use Profit – loss section to deliver the amount that are loss or gained in single transaction. I provided total amount of 100000 and calculate the profit balance and loss balance : Generally In this section If calculated amount is less than total balance I hence declared it as profit and show the details in card format and vice versa for loss .

Knowledge gained by me as in individual topics:

- Express JS core concepts and JS core concepts.
- React js components (functional and class based).
- MongoDB for data storage and retrivals .
- Hooks, Components and props in React js .
- Axios to send and receive data to and from client and dabase .
- Reusability of components .

Futher On the system can be improvised by applying Login and logout features using JSON WEB TOKEN . Also more advanced are beautiful styling can also be done.

 If any problem or error occurs you may contact me and I also like to thank you for providing me this project to learn as well as it helps to implement my knowledge in professional manner.Also The process to run the App is described in Readme.txt in github do check it in github. Thank You

BISHAL THAPA