Install necessary dependencies:

npm install ethers web3 react-web3-provider axios

Create a file **App.js** and include the Given code

In this React front-end code, we use the ethers.js library to interact with the nUSD smart contract. The user can enter an ETH amount, click the "Get nUSD Amount" button to fetch the corresponding nUSD amount based on the current ETH price, and then click the "Deposit" button to deposit ETH and mint nUSD tokens.

Similarly, the user can enter an nUSD amount and click the "Redeem" button to redeem nUSD tokens and receive ETH in return.

Make sure to replace **"YOUR\_NUSD\_CONTRACT\_ADDRESS"** with the actual deployed address of your nUSD smart contract.

Now, let's move on to the Node.js backend code for oracle database integration:

Install necessary dependencies:

npm install express mongoose

Create a file **server.js** and include the given code

In this Node.js backend code, we use Express.js and Mongoose to create a simple API endpoint at **/eth-price** that fetches the latest ETH price from a MongoDB database.

Make sure to replace the MongoDB connection string (**mongodb://localhost:27017/nusd**) with your actual database connection string.