**INSTRUCTIONS TO RUN THE CODE**

Complete Instructions for Setting Up MERN Stack Project: Smart\_Exit

1. Install MongoDB:

- Download MongoDB from the official website: [MongoDB Download Center](https://www.mongodb.com/try/download/community)

- Follow the installation instructions provided for your operating system.

- After installation, ensure MongoDB is running by starting the MongoDB service.

2. Connect to MongoDB:

- Open a terminal or command prompt.

- Run the following command to connect to MongoDB:

*>> mongo mongodb://localhost:27017/*

- This will connect you to the MongoDB instance running on your local machine.

3. Setting Up the Project:

- Open Visual Studio Code.

- Navigate to your project directory in the terminal.

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4. Importing Dependencies for Client and Server:

- Open the integrated terminal in Visual Studio Code.

- For Client Side:

- Navigate to the Client folder within your project directory:

>> *cd Client*

- Run the following command to import dependencies listed in the package.json file:

>> *npm install*

- For Server Side:

- Open another integrated terminal instance in Visual Studio Code.

- Navigate to the Server folder within your project directory:

>> *cd ../Server*

- Run the following command to import server dependencies:

>> *npm install*

5. Start the Client:

- In the integrated terminal of Visual Studio Code, ensure you are in the Client directory.

- Start the client-side application by running the following command:

>> *npm start*

- This will start the development server for the client-side application.

6. Start the Server:

- In another integrated terminal instance in Visual Studio Code, ensure you are in the Server directory.

- Run the following command to start the server:

>> *nodemon Server.js*

- This command will start the server using Nodemon, which automatically restarts the server when changes are detected.

7. Verify MongoDB Connection:

- After starting the server, wait for the console message indicating that MongoDB is connected.

- It should display a message confirming the successful connection to the MongoDB database.

8. Testing the Application:

- Once both the client and server are running without errors and MongoDB is connected, you can test the functionality of your MERN stack application.

Note:

- Ensure that you have npm (Node Package Manager) installed on your system.

-Ensure that all dependencies are installed for both the client and server applications before running them.

-Make sure to run these commands in their respective directories (Client and Server) to install the correct dependencies for each part of the application.

- Make sure your development environment meets the requirements specified by the project.

- Running `npm install` will install all dependencies listed in the package.json file for the respective client and server applications.

- After running **npm install**, you should see a **node\_modules** folder created in each respective directory containing all the installed dependencies.