Tips:  
**Tip**: Running both Server.js and React command with one command

MernStackProject2022  
This coarse project is from Udemy Course  
<https://www.udemy.com/course/mern-stack-front-to-back/>

Tools  
React Developer Tools  
<https://chrome.google.com/webstore/detail/react-developer-tools/fmkadmapgofadopljbjfkapdkoienihi/related?hl=en>  
  
Redux Developer Tools  
<https://chrome.google.com/webstore/detail/redux-devtools/lmhkpmbekcpmknklioeibfkpmmfibljd/related?hl=en>  
  
After you install them, add them pin them  
A screenshot of a computer screen

Description automatically generated with medium confidence  
  
Mongo DB Atlas  
<https://cloud.mongodb.com/v2/624348b28c94b80563a3c46e#clusters>  
PE  
BFLU@  
  
Mongoose Connector  
<https://mongoosejs.com/>  
<https://www.npmjs.com/package/mongoose>  
  
Git repo  
<https://github.com/lionel5116/MernStackProject2022.git>  
  
echo "# MernStackProject2022" >> README.md

git init

git add README.md

git commit -m "first commit"

git branch -M main

git remote add origin https://github.com/lionel5116/MernStackProject2022.git

git push -u origin main

git add .  
git add -A  
git commit -m "first commit"  
git push -u origin main  
  
**Dependencies**  
npm i express express-validator bcryptjs config gravatar jsonwebtoken mongoose request

Below is for allowing use to run react and express.js at the same time

npm i -D nodemon concurrently  
  
We added this to our package.json file (script)

Text

Description automatically generated  
  
To run our server, type  
npm run server (as shown in our script above)  
  
Text

Description automatically generated  
  
Go to Postman  
Graphical user interface, text, application, email

Description automatically generated  
  
Connecting to the MongoDB Database:  
Graphical user interface, text, application, email

Description automatically generated  
  
Graphical user interface, text, application, email

Description automatically generated  
  
mongodb+srv://lionel5116:<password>@cluster0.jwcnt.mongodb.net/?retryWrites=true&w=majority  
  
For special characters in your password

https://www.mongodb.com/docs/atlas/troubleshoot-connection/#special-characters-in-connection-string-password

**mongodb+srv://lionel5116:Mag17615%40@cluster0.jwcnt.mongodb.net/?retryWrites=true&w=majority**

See project for initial wireup of connection  
And run it:  
A screenshot of a computer

Description automatically generated with medium confidence  
  
And that’s all for the initial setup  
  
Creating the React APP  
npx create-react-app client  
  
And now we have our react app  
Graphical user interface, text, application, chat or text message

Description automatically generated  
  
**Tip**: Running both Server.js and React command with one command  
To run both the node server and react at the same time with one command:  
Graphical user interface, text, application

Description automatically generated  
  
In your root package.json file add:  
Text

Description automatically generated  
  
Then run the following command: (at the root application folder)  
npm run dev  
  
Text

Description automatically generated  
  
And it works!!!!

Next cd into your client folder and install the following dependencies  
npm i axios react-router-dom redux react-redux redux-thunk redux-devtools-extension moment react-moment