React/MongoDB Full Stack Project Starter Notes

Folder Structure

> 📁 product-manager → Create overall project folder

create/initialize front end project folder

TERMINAL

```
\FullStack\product-manager> npx create-react-app client
```
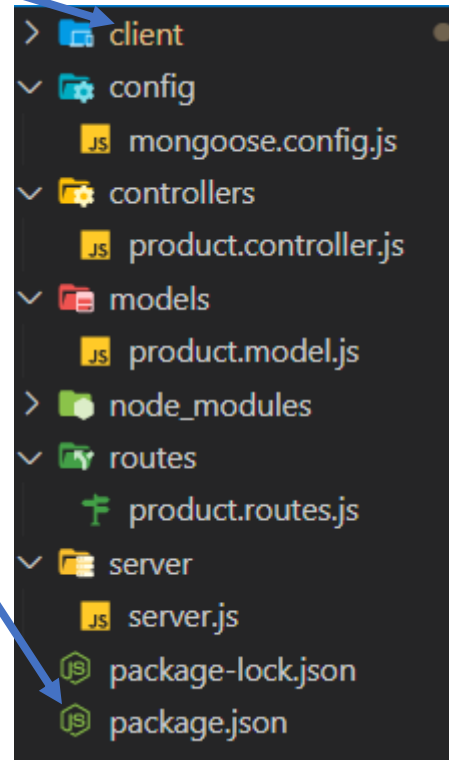
→ Inside your project folder run the following commands
→ npx create-react-app client
→ npm init -y

Initialize backend

TERMINAL

```
\FullStack\product-manager> npm init -y
```

- client
- config
  - mongoose.config.js
- controllers
  - product.controller.js
- models
  - product.model.js
- node_modules
- routes
  - product.routes.js
- server
  - server.js
- package-lock.json
- package.json

→ Also create the following folders: with the corresponding files inside.
→ config → mongoose.config.js
→ controllers → project.controller.js
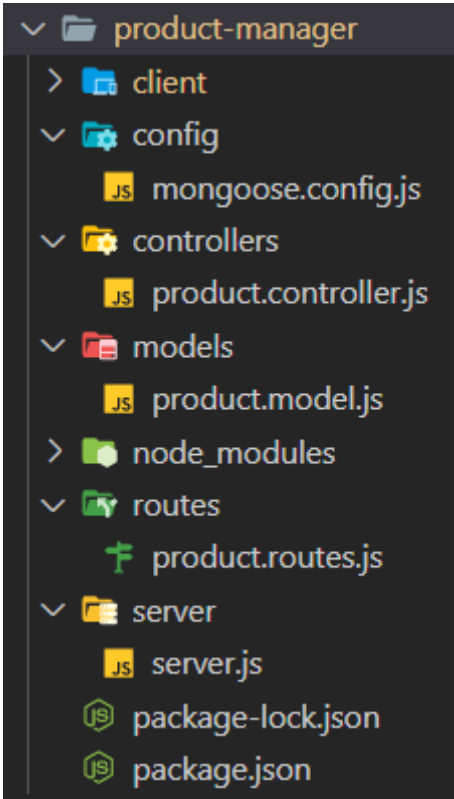→ models → project.model.js
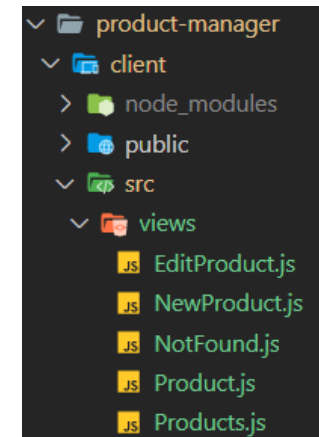→ routes → project.routes.js
→ server → server.js

Folder Structure
Here's a cleaner look

product-manager
> client
v config
    mongoose.config.js
v controllers
    product.controller.js
v models
    product.model.js
> node_modules
v routes
    product.routes.js
v server
    server.js
package-lock.json
package.json

```
PS C:\Users\homec\Desktop\MERN\FullStack\product-manager> npx create-react-app client
```

```
PS C:\Users\homec\Desktop\MERN\FullStack\product-manager> npm init -y
```

Also in client -> src -> create views folder

product-manager
v client
    > node_modules
    > public
    v src
        v views
            EditProduct.js
            NewProduct.js
            NotFound.js
            Product.js
            Products.js

Install dependencies
(make sure you're in the correct folders)

In the MAIN project folder

```
PS C:\Users\homec\Desktop\MERN\FullStack\product-manager> npm i cors express mongoose
```

Cd into client folder

```
PS C:\Users\homec\Desktop\MERN\FullStack\product-manager> cd client
PS C:\Users\homec\Desktop\MERN\FullStack\product-manager\client> npm i @reach/router axios bootstrap
```
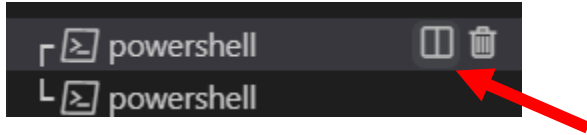
If using bootstrap you also need to into:
Client -> src -> index.js and add this line to the top
```
import "bootstrap/dist/css/bootstrap.css";
```

Start server and react

Easiest way is split terminal

One side cd into front end folder

npm start

Other side cd into server folder with server.js file

nodemon server.js

```
PS C:\Users\homec\Desktop\MERN\FullStack\product-manager\client> npm start
```

```
PS C:\Users\homec\Desktop\MERN\FullStack\product-manager\server> nodemon server.js
```