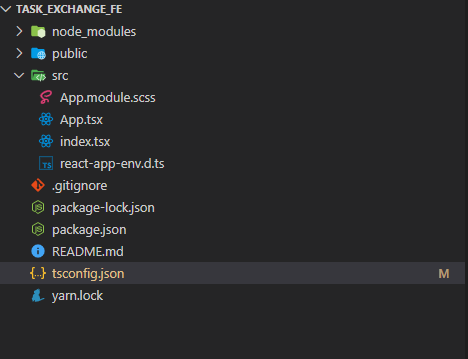
SETUP REACT JS PROJECT WITH TYPESCRIPT

1. **Setup project with create-react-app**

* Run the following command:

 npx create-react-app project\_name --typescript

* Remove redundant files



* Add base URL at tsconfig file



* Setup sass

Run the following command:

npm install node-sass --save

Create sass file with .sass extension or we can create style module with .module.sass extension.

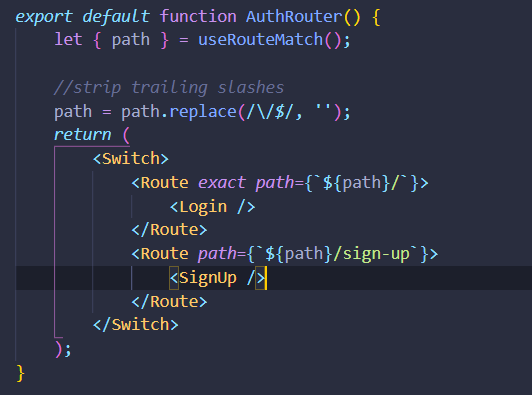
* Setup react-router-dom

\*Note: The issue with nested route with base URL. The issue is occurred because react-router does not strip the trailing slashes.

This issue can be found here <https://stackoverflow.com/questions/59437035/react-router-nested-routing-in-the-base-url>

Solution can be found here

<https://codesandbox.io/s/react-router-nesting-025cn?file=/example.js:998-1090>



* **Setup eslint**

Follow the documentation from this page: <https://eslint.org/>

Install eslint react plugin and eslint typescript plugin

Install eslint extension

**Issues can be occurred:** Some node js version may not be supported by eslint typescript plugin.

* **Setup redux**

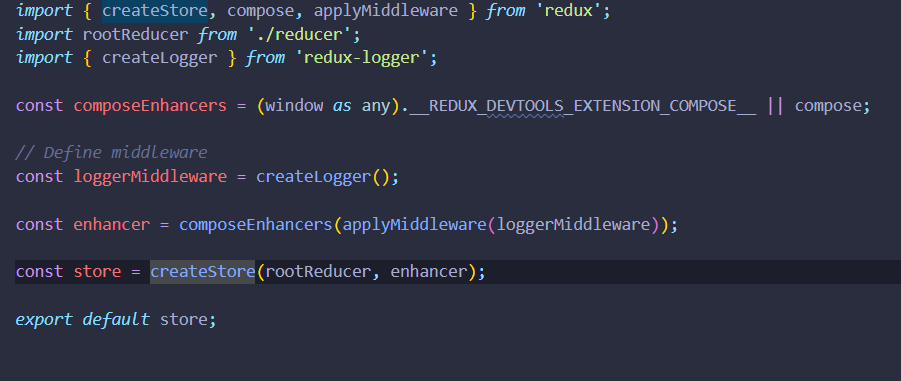
Install redux and redux devtool

npm install redux

npm install –save-dev redux-devtools

Install react-redux for binding between redux and react

npm install react-redux



* Switch to redux toolkit

Install redux toolkit

npm install @reduxjs/toolkit

Using configureStore() to create store

Using createSlice() to create a slice reducer in store.

* Setup redux-saga

Install redux-saga

npm install –save redux-saga

Create Orchestrator using example from root saga pattern:

<https://redux-saga.js.org/docs/advanced/RootSaga.html>

This pattern keeps root saga alive when one of the child saga gets error when executing.