ReactJS. Front to backend. BT 2022 Project 2 - Github-finder

https://github.com/PacktPublishing/React-Front-to-Back-2022

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0 Hints

1 GitHub Finder project. Start

1.1 Intro

1.2 Setup Tailwind and Daisy UI

1.2.1 Tailwind

First of all you need to create a new project

CLI=> npx create-react-app github-finder --use-npm

Go to the new folder (github-finder)

CLI=> npm install -D tailwindcss postcss autoprefixer

CLI=> npx tailwindcss init -p

Open file tailwind.config.js and paste

```
/** @type {import('tailwindcss').Config} */
module.exports = {
  content: [
    "./src/**/*.{js,jsx,ts,tsx}",
    ],
    theme: {
    extend: {},
    },
    plugins: [],
}
```

Open index.css

@tailwind base;
@tailwind components;
@tailwind utilities;

1.2.2 Daisy UI

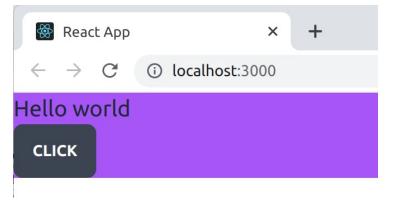
CLI=> npm i daisyui

Open file tailwind.config.js

plugins: [require('daisyui')],

Now you can start your react app using npm start.

Change main component App.js => App.jsx (to be able to work with tag plugin)



1.3 Navbar component

You need to install react-router-dom and react-icons

CLI=> npm i react-router-dom react-icons

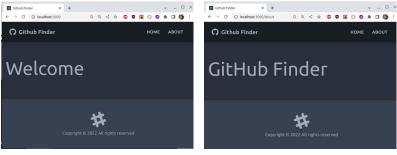
Create a new **Navbar.jsx** component in github-finder/src/**components/layout**

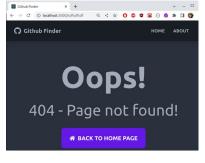
1.4 Footer component

1.5 Main Pages and routes

Create a new folder github-finder/src/pages to store components for all the main pages

Create Home.jsx, About.jsx and NotFound.jsx components





2 Working with GitHub AP

2.1 Github API & getting token

2.1.1 How can you use GitHub API?

You can get information about any github user by ID, search users, get list of repositories an so on.

2.1.2 How to get GitHub API token?

Visit gitHub.com. Go to your profile => settings => developer settings => tokens (classic) => generate new token (classic)

Select user and repo and click on generate token => copy and save **YOUR** token

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

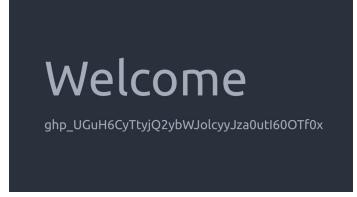
2.1.3 How to use environment variables?

Create a new file .env (in root folder of your react project/folder/app – github-finder)

Add 2 variables:

REACT_APP_GITHUB_TOKEN="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" REACT_APP_GITHUB_URL="https://api.github.com"

How you can check if it works:



2.2 UserList component

Create a new folder to store all the components that related to User entity

github-finder/src/components/users. There create a new component UserResults.jsx

```
| Substriction | Subs
```

2.3 Spinner Component

Create a new folder to store additional files like a spinner. github-finder/src/components/layout/assets and add there a spinner.

Create a new component Spinner.jsx in layout folder

2.4 Display Users

You need to create UserItem.jsx component

