# 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**

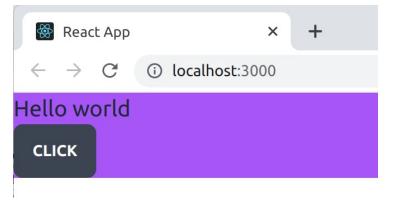
CLI=> npm i daisyui

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

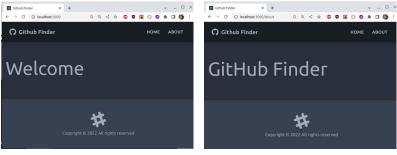
Create a new **Navbar.jsx** component in github-finder/src/**components/layout** 

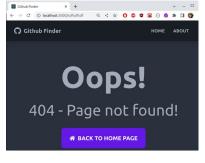
### 1.4 Footer component

### 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

ghp\_UGuH6CyTtyjQ2ybWJolcyyJza0utI60OTf0x

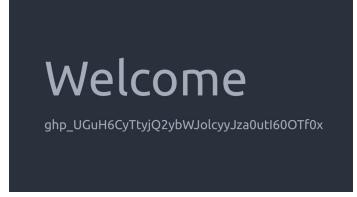
#### 2.1.3 How to use environment variables?

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

Add 2 variables:

REACT\_APP\_GITHUB\_TOKEN="ghp\_UGuH6CyTtyjQ2ybWJolcyyJza0utI60OTf0x" 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