

# **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 React basics and JSX

## 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`

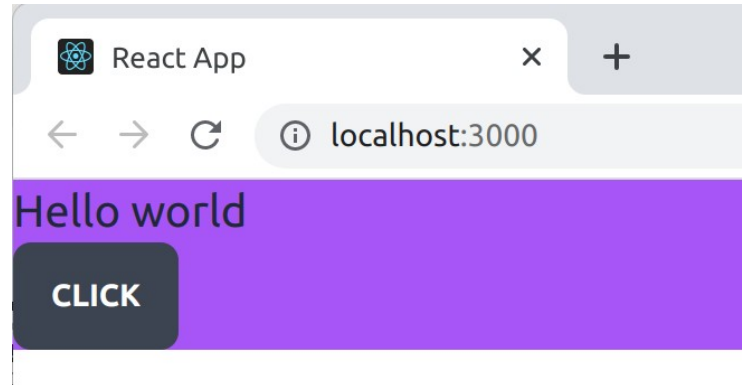
Open file `tailwind.config.js`

**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)

```
App.jsx  U  X
github-finder > src > App.jsx > ...
1  import logo from './logo.svg';
2  import './App.css';
3
4  function App() {
5    return (
6      <div className='bg-purple-500'>
7        <h1 className='text-xl'>Hello world</h1>
8        <button className='btn'>Click</button>
9      </div>
10    );
11  }
12
13  export default App;
14
```



## 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

```
Navbar.jsx U X
src > components > layout > Navbar.jsx > ...
1 import { FaGithub } from 'react-icons/fa';
2 import { Link } from 'react-router-dom';
3 import PropTypes from 'react';
4
5 const Navbar = ({ title }) => {
6   return (
7     <nav className='navbar mb-12 shadow-lg bg-neutral text-neutral-content'>
8       <div className='container mx-auto'>
9         <div className='flex-none px-2 mx-2'>
10           <FaGithub className='inline pr-2 text-3xl' />
11           <Link to='/' className='text-lg font-bold align-middle'>
12             {title}
13           </Link>
14         </div>
15         <div className='flex-1 px-2 mx-2'>
16           <div className='flex justify-end'>
17             <Link to='/' className='btn btn-ghost btn-sm rounded-btn'>
18               Home
19             </Link>
20             <Link to='/' className='btn btn-ghost btn-sm rounded-btn'>
21               About
22             </Link>
23           </div>
24         </div>
25       </div>
26     </nav>
27   );
28 };
29 Navbar.defaultProps = {
30   title: 'Github Finder',
31 };
32 Navbar.propTypes = {
33   title: PropTypes.string,
34 };
35 export default Navbar;
36
```

```
App.jsx M X
src > App.jsx > ...
1 import { BrowserRouter as Router, Route } from 'react-router-dom';
2 import Navbar from '../components/layout/Navbar';
3 const App = () => {
4   return (
5     <Router>
6       <div className='flex flex-col justify-between h-screen'>
7         <Navbar />
8         <main>content</main>
9       </div>
10     </Router>
11   );
12 };
13
14 export default App;
```

