

React

Lesson 2

React App toolchain

- A **package manager**, such as **Yarn** or **npm**. It lets you take advantage of a vast ecosystem of third-party packages, and easily install or update them.
- A **bundler**, such as **webpack** or **Parcel**. It lets you write modular code and bundle it together into small packages to optimize load time.
- A **compiler** such as **Babel**. It lets you write modern JavaScript code that still works in older browsers.

Create React App

- Create React apps with no build configuration

```
yarn create react-app react_demo_app --template typescript  
mv react_demo_app/* react_demo (your current project name)  
rm -rf react_demo_app  
cd react_demo  
yarn start
```

react-router-dom

```
yarn add react-router-dom @types/react-router-dom
```

Home task

- Migrate your existing code to React app with components placed to separate files, properly typed with Typescript
- Clicking on a row in Users table redirects to the user details page. User details can be edited on that page. There is a link to go back to users list on that page

Recommended reading

- <https://create-react-app.dev/docs/getting-started/>
- <https://www.typescriptlang.org/docs/handbook/typescript-from-scratch.html>
- <https://www.saltycrane.com/cheat-sheets/typescript/react/latest/>
- <https://reactrouter.com/web/guides/quick-start>