



Tools and Technical Constraints

Standard Tools

- [Create React App](#)
- [React Router](#)
- **Styling:** The use of SASS is optional. CSS is to be used by default.
- **No React External Libraries.**

Technical Constraints

React :

It is imperative to use these elements of React for quality code:

- Split code into modular and reusable components.
- One component per file.
- Logical structure of the different files.
- Use of props between components.
- Use of state in components when necessary.
- Event management.
- Lists: React lists should be used as much as possible (ex. for iterating, maps, etc).

It is recommended, though not mandatory, to use functional components instead of class components.

React Router :

- The route parameters are managed by React Router in the URL to retrieve the information for each listing.
- One page per route.
- The page 404 is returned for each non-existent route, or if a value in the URL is not part of the data filled in.
- The logic of the router is gathered in a single file.

General :

- The code must not produce errors or warnings in the console.