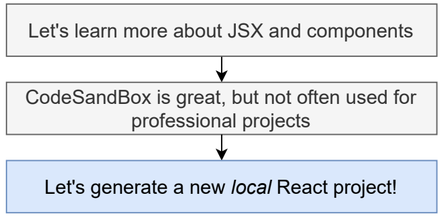
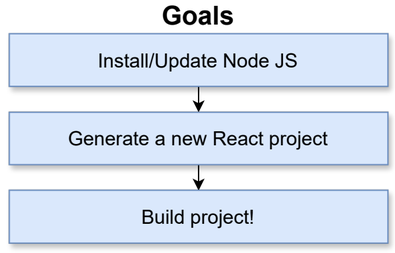
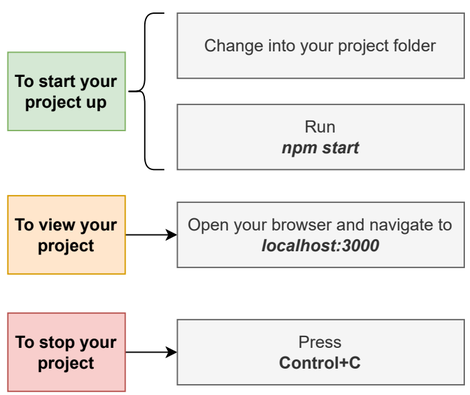

Let's learn more about JSX and components
CodeSandBox is great, but not often used for professional projects
Let's generate a new *local* React project!


Goals
Install/Update Node JS
Generate a new React project
Build project!

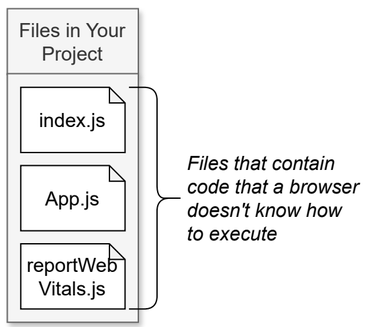
Generating a Project

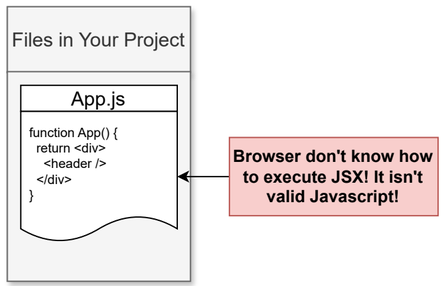
npx create-react-app jsx


To start your project up
Change into your project folder
Run
npm start
To view your project
Open your browser and navigate to
localhost:3000
To stop your project
Press
Control+C

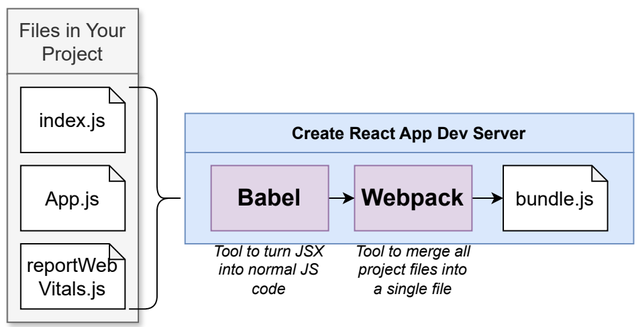
Why are we running something at our terminal?

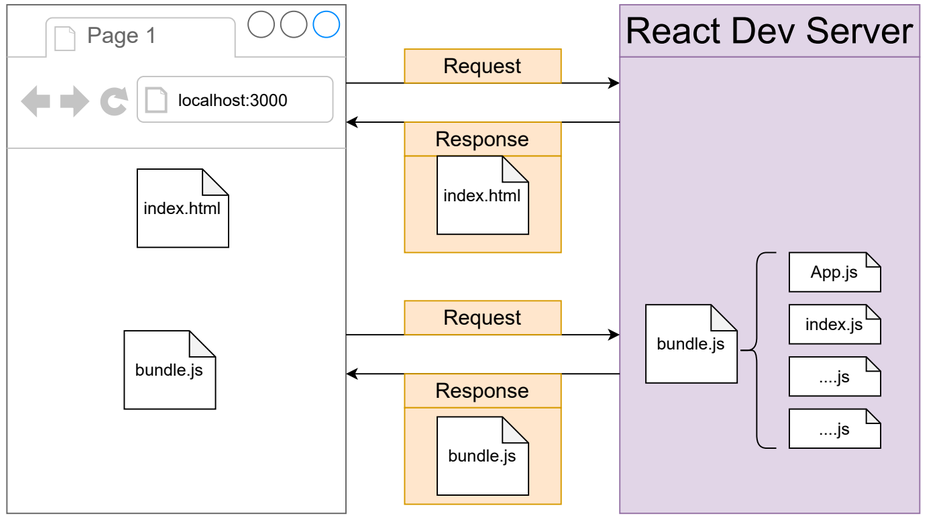
What are all these files and folders?

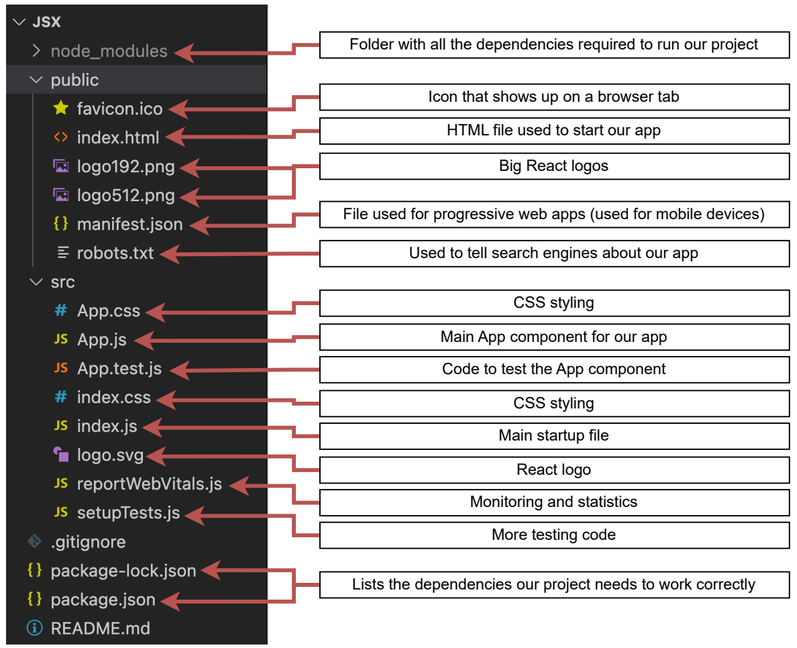

Files in Your Project
index.js
App.js
reportWeb Vitals.js
Files that contain code that a browser doesn't know how to execute

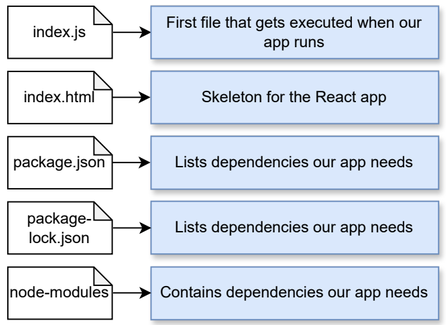

Files in Your Project
App.js
function App() {
return
<header />

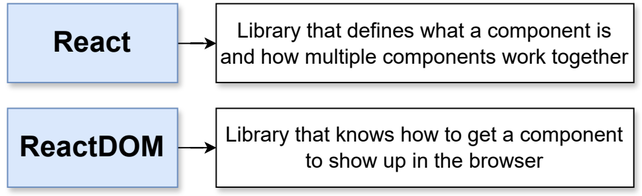
}
Browser don't know how to execute JSX! It isn't valid Javascript!


Files in Your Project
index.js
App.js
reportWeb Vitals.js
Create React App Dev Server
Babel
Webpack
bundle.js
Tool to turn JSX into normal JS code
Tool to merge all project files into a single file


Page 1
localhost:3000
index.html
bundle.js
Request
Response
index.html
Request
Response
bundle.js
React Dev Server
bundle.js
App.js
index.js
....js
....js


JSX
node_modules
public
favicon.ico
index.html
logo192.png
logo512.png
manifest.json
robots.txt
src
App.css
App.js
App.test.js
index.css
index.js
logo.svg
reportWebVitals.js
setupTests.js
.gitignore
package-lock.json
package.json
README.md
Folder with all the dependencies required to run our project
Icon that shows up on a browser tab
HTML file used to start our app
Big React logos
File used for progressive web apps (used for mobile devices)
Used to tell search engines about our app
CSS styling
Main App component for our app
Code to test the App component
CSS styling
Main startup file
React logo
Monitoring and statistics
More testing code
Lists the dependencies our project needs to work correctly


index.js
First file that gets executed when our app runs
index.html
Skeleton for the React app
package.json
Lists dependencies our app needs
package-lock.json
Lists dependencies our app needs
node-modules
Contains dependencies our app needs


React
Library that defines what a component is and how multiple components work together
ReactDOM
Library that knows how to get a component to show up in the browser