

How to Get Help

Udemy QA

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I usually answer questions Monday
to Friday around 9AM PST

What is React?

What is its purpose?

...Boring

Let's make an app
with React!

goo.gl/T6zQ9q

Tool for making a tiny React App

...But really, what is React and its purpose?

React is a Javascript library

React's *ultimate* purpose is to show content (HTML) to users and handle user interaction

Why didn't we use Redux to make that app?

React can work by itself

...but it can also work with a tremendous variety of other libraries, packages, servers, and databases

What was that 'class' thing?

A Javascript 'class'.

React 'components' are made using *either* Javascript functions or classes

What was the HTML looking stuff?

JSX

It looks like HTML and can be placed in Javascript code. Determines the content of our React app just like normal HTML

How did the screen change when we moved the mouse?

An event handler

Event handlers are used to detect user interaction and respond to it

Why did we add two libraries
(React and ReactDOM)?

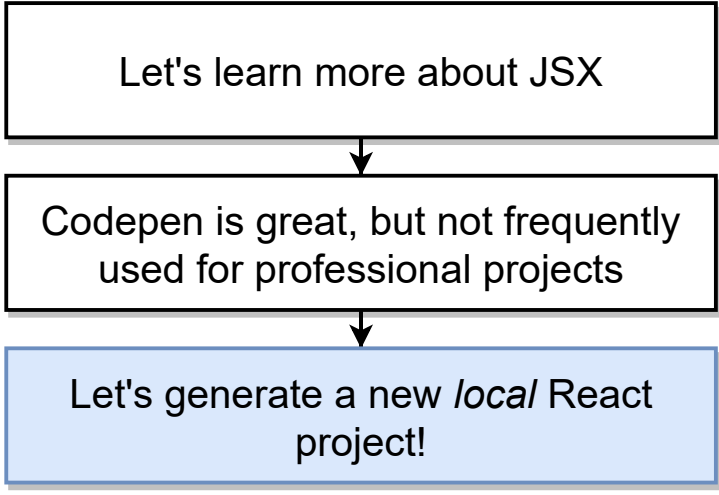
React is split into two separate libraries

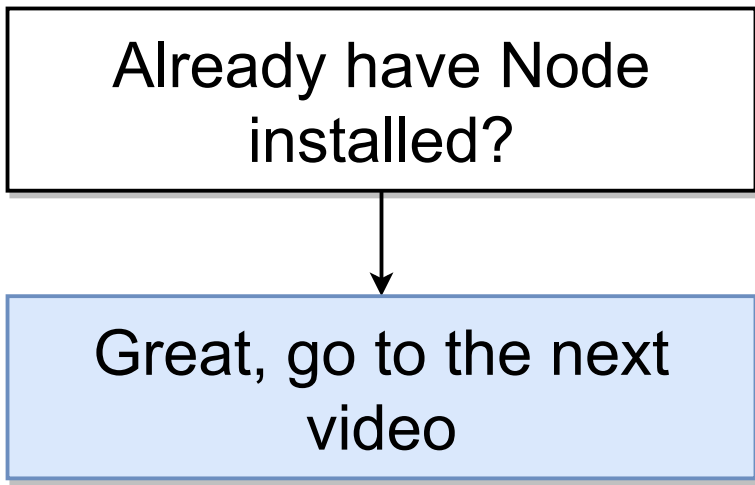
'React' knows what a component is and how to make components work together.

'ReactDOM' knows how to take a component and make it show up in the DOM

Questions!

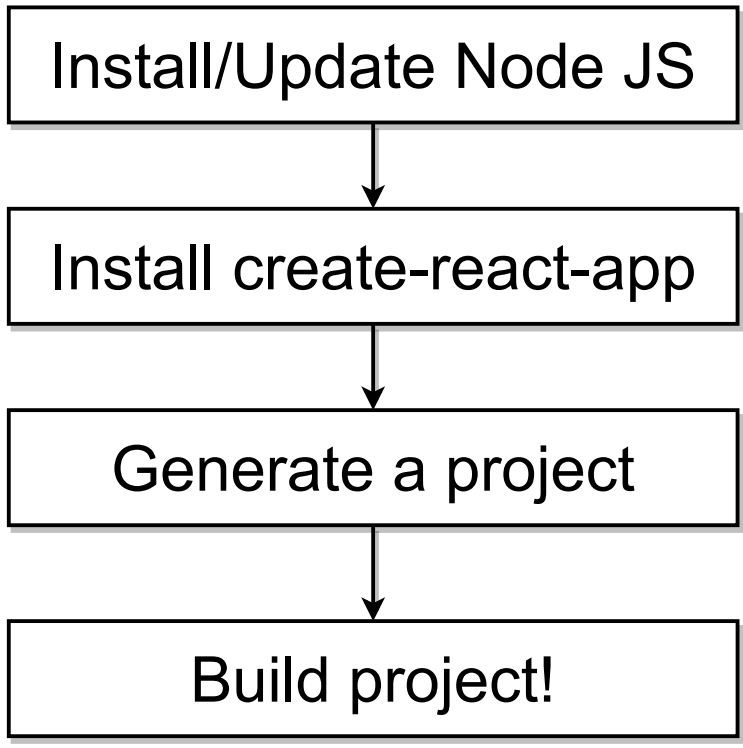
| |
|---|
| ...But really, what is React and its purpose? |
| Why didn't we have to use Redux to make that app? |
| What was that 'class' thing? |
| What was the HTML looking stuff? |
| How did the screen change when we moved the mouse? |
| Why did we add two libraries (React <i>and</i> ReactDOM)? |

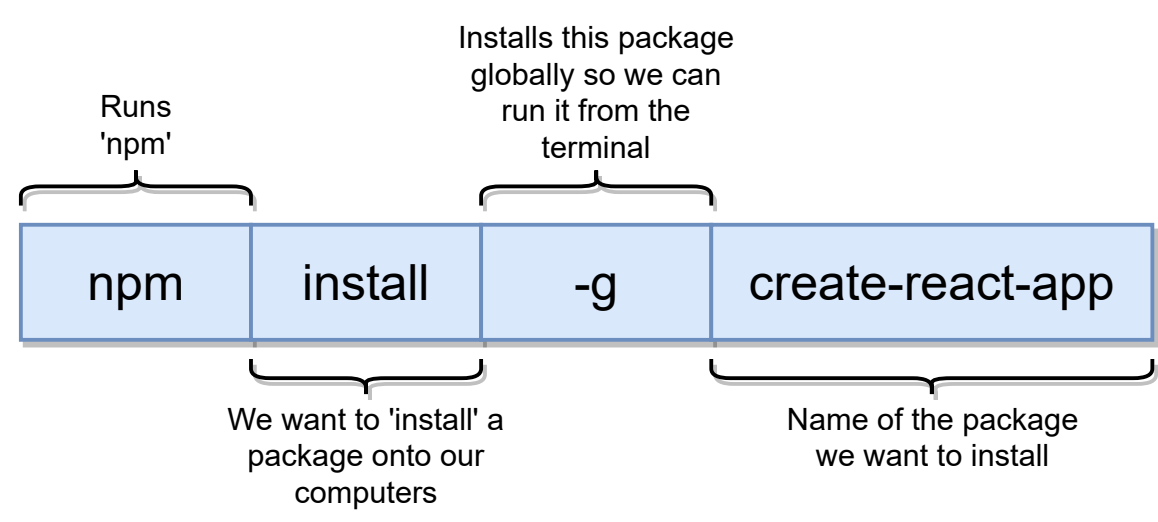




nodejs.org/en/download

After installing Node you might
have to restart your terminal to get
'node -v' to work



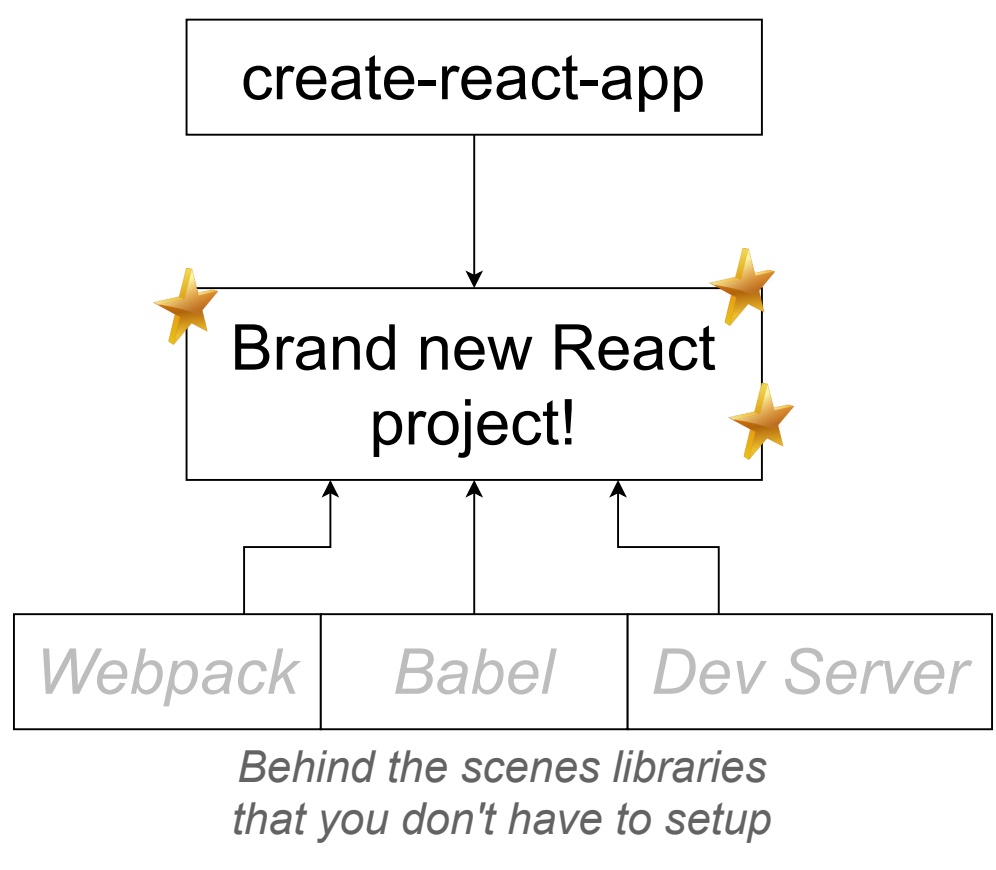


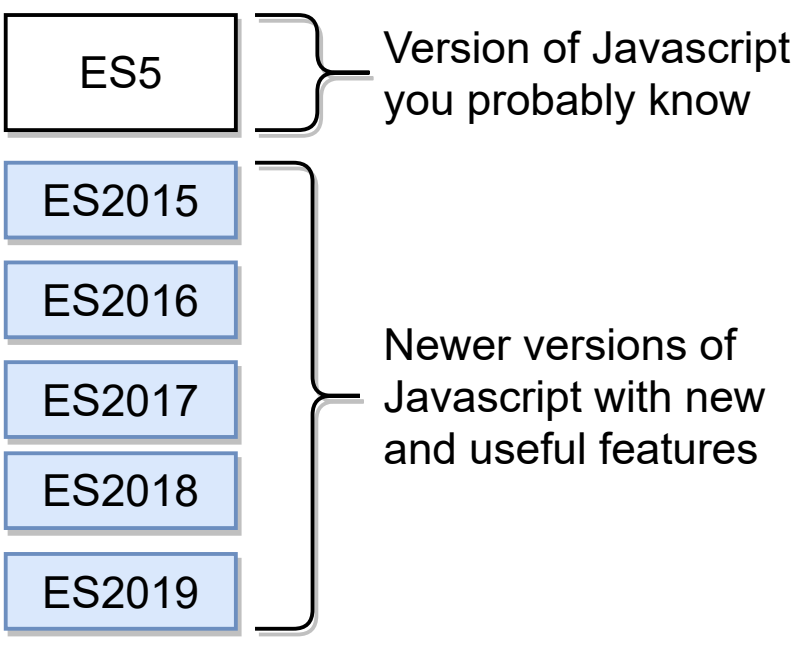
Alternate
command!

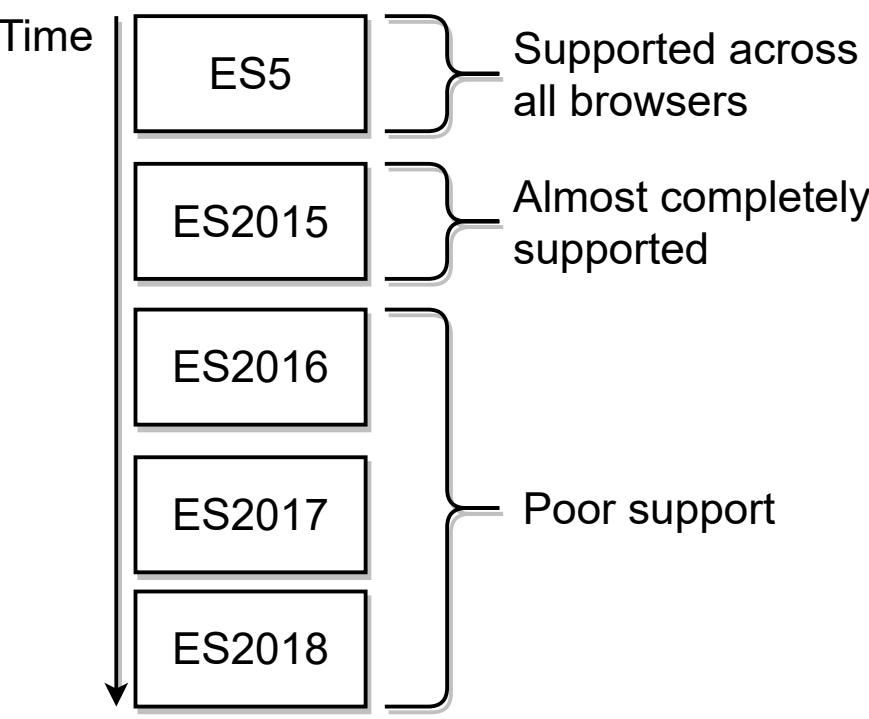
npx

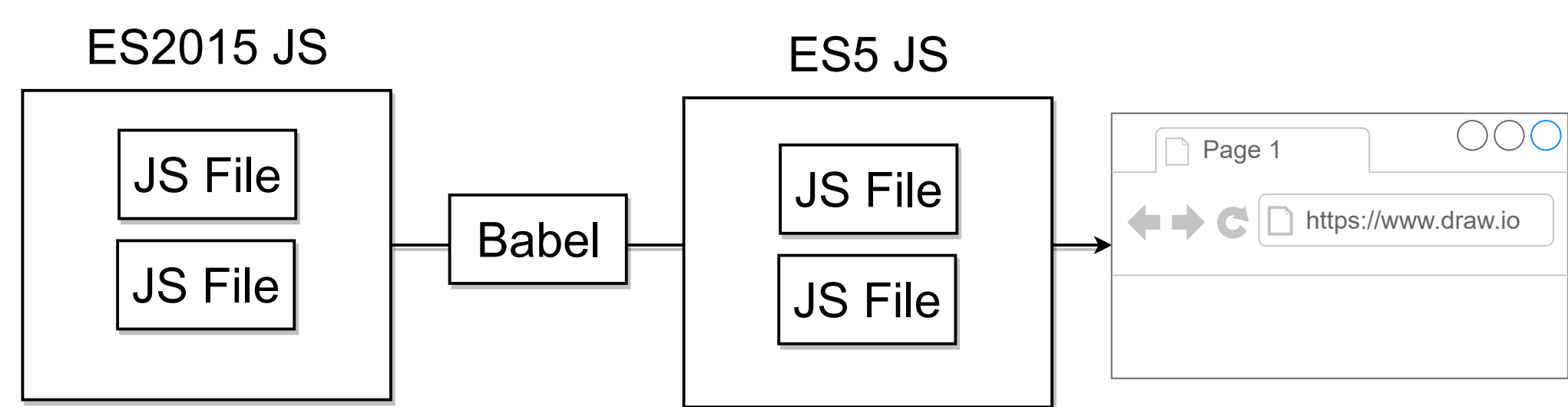
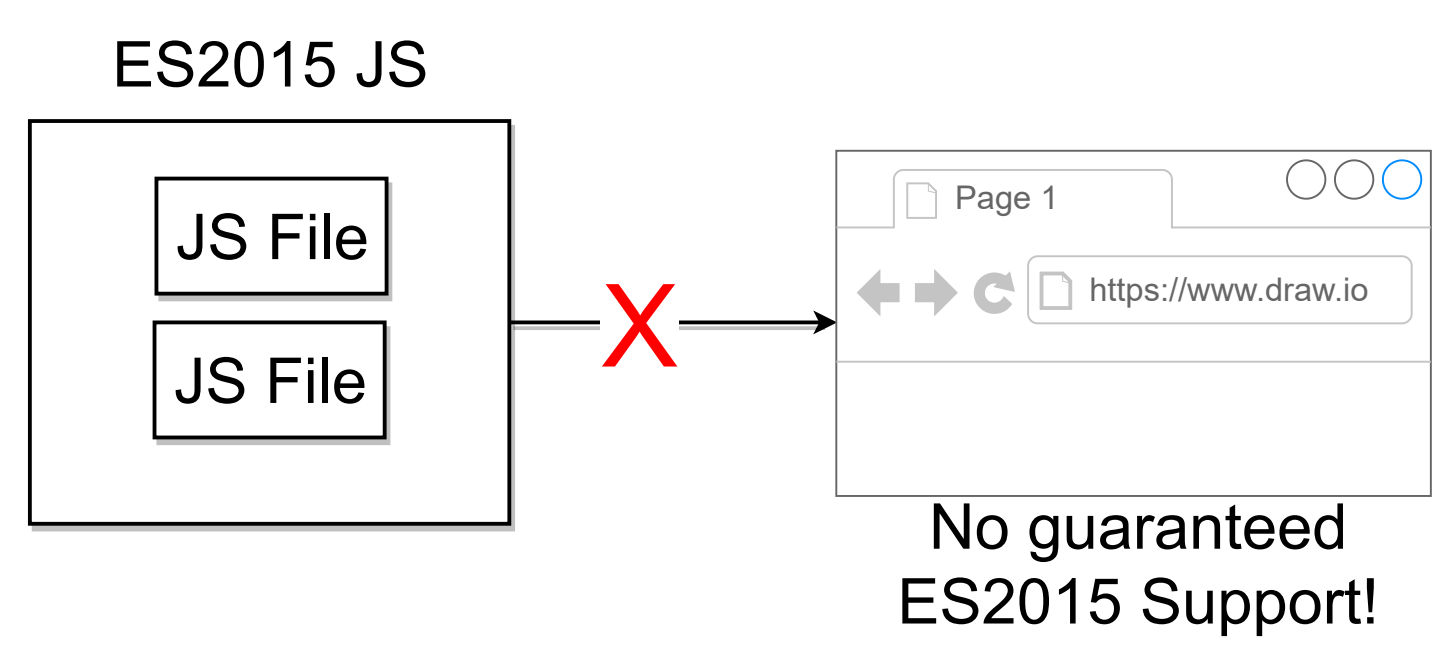
create-react-app

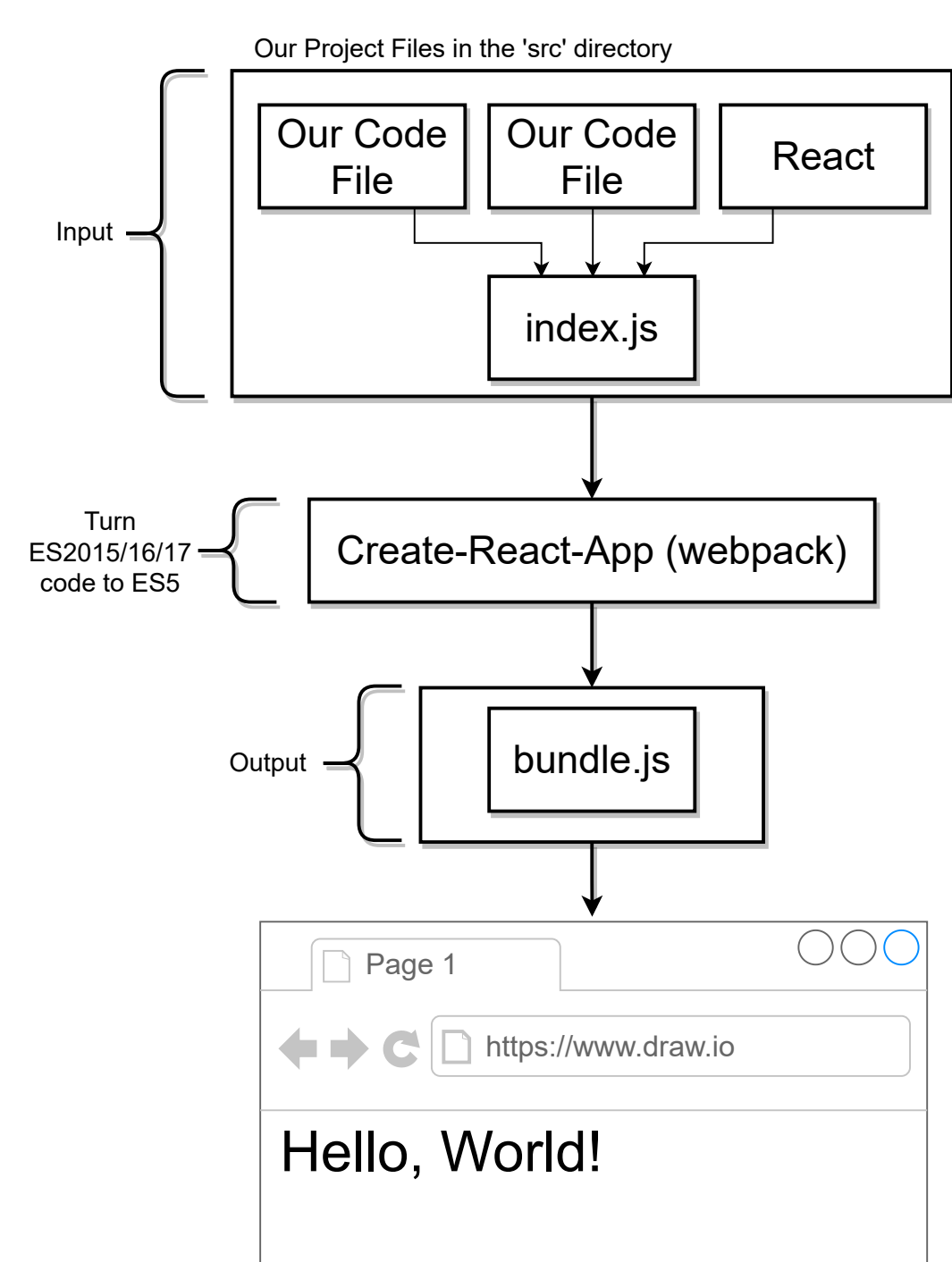
<name of project>

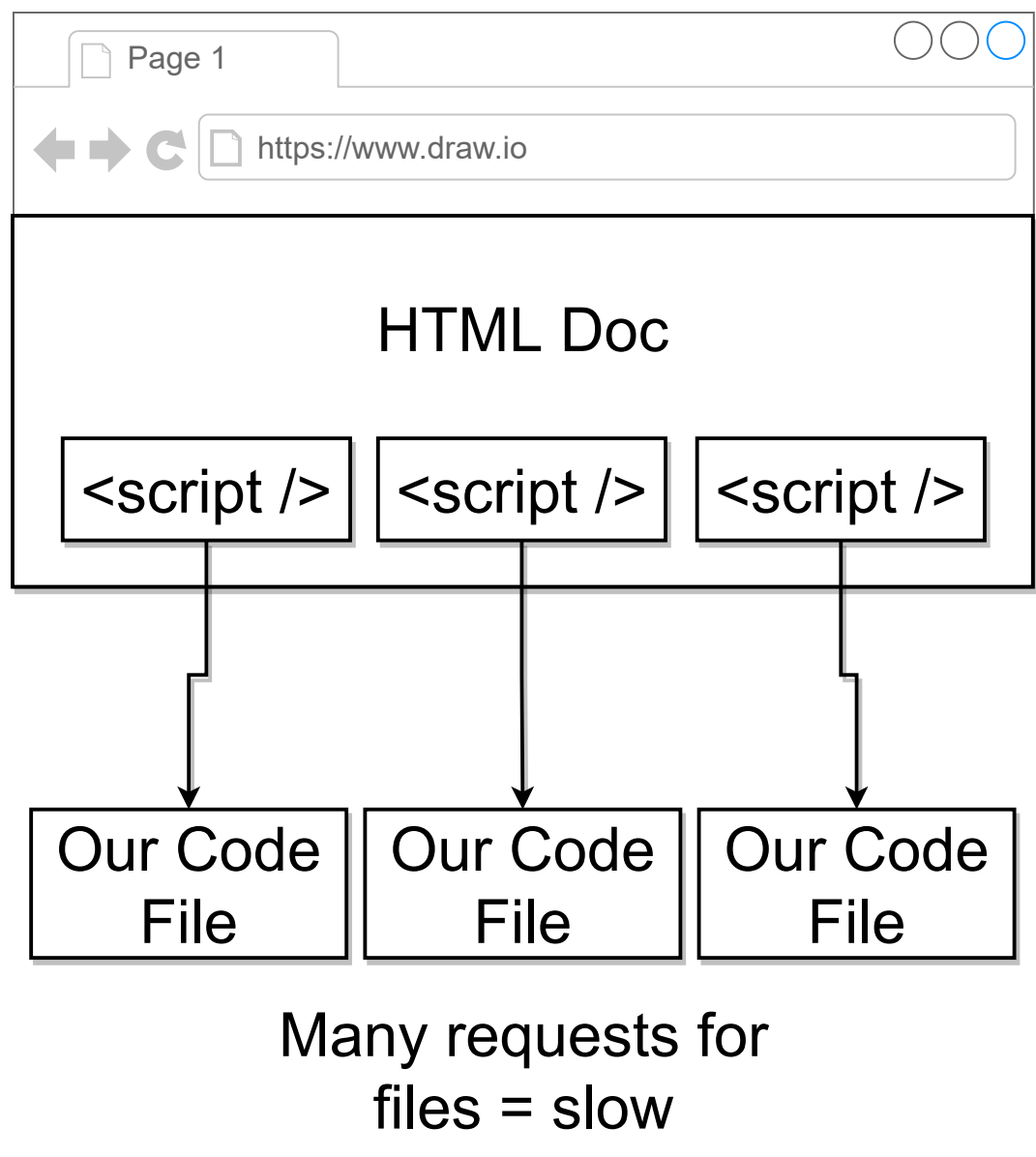






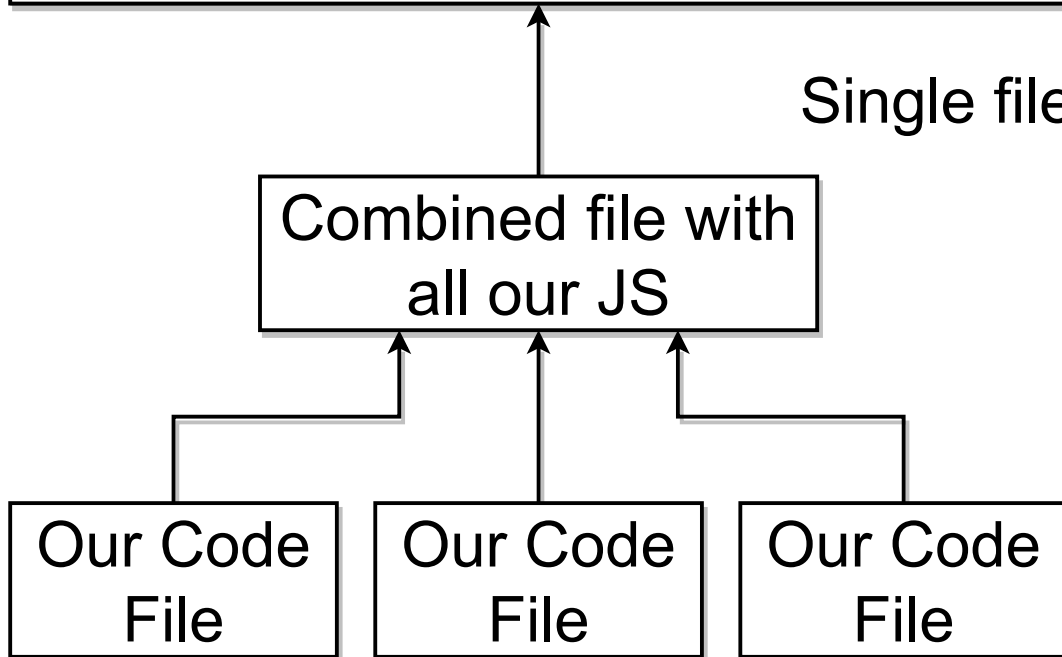


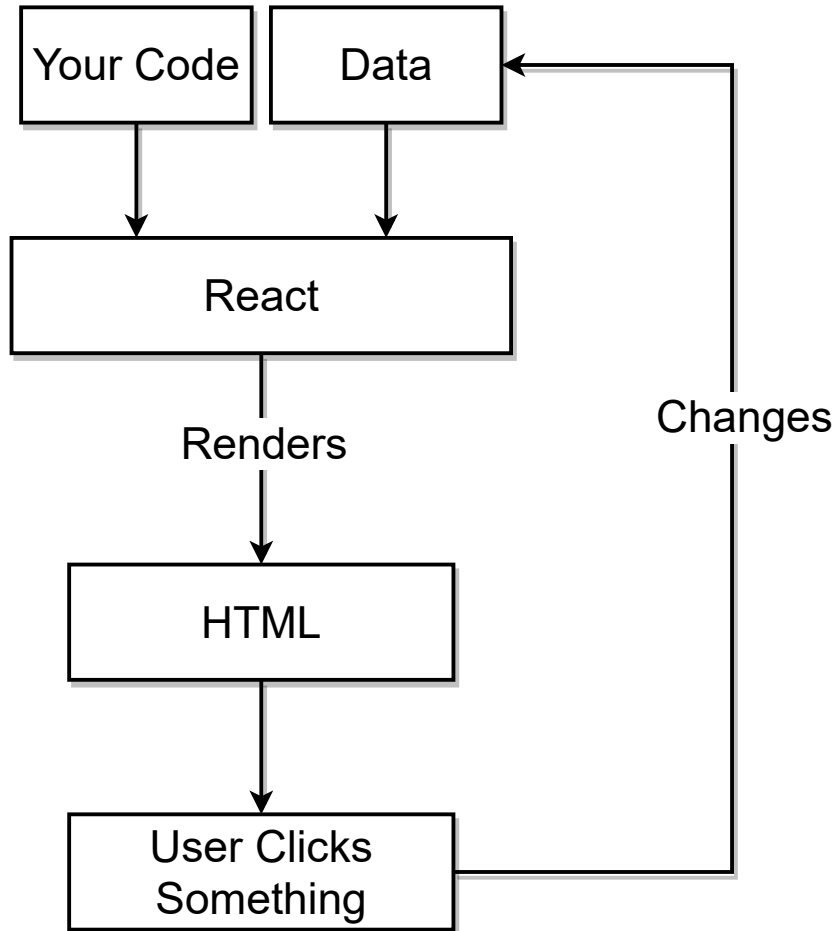






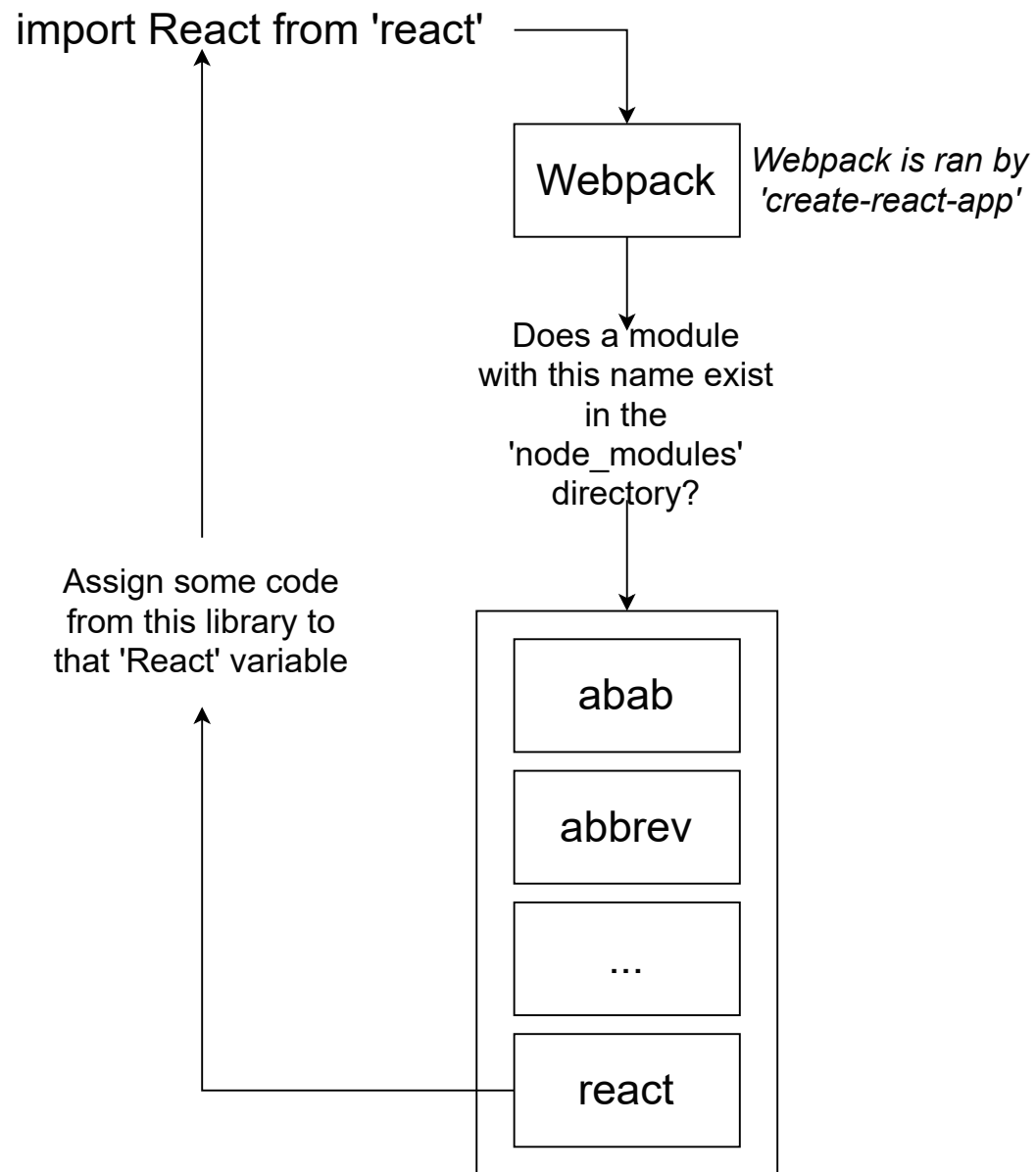
Single file = fast!





Showing Content in the Browser

| Problem | Solution |
|--------------------------------|---|
| Where do we add code? | Figure out how create-react-app loads code we write |
| What code do we add? | Figure out how to show HTML with React |
| How do we run the code we add? | Figure out how to build or run the create-react-app project |



React

Knows how to make
React components
work together

ReactDOM

Knows how to take a pile
of React components and
show them in the DOM

Component Class

```
const App = () => {  
  return <div>Hi there!</div>;  
};
```

<App />

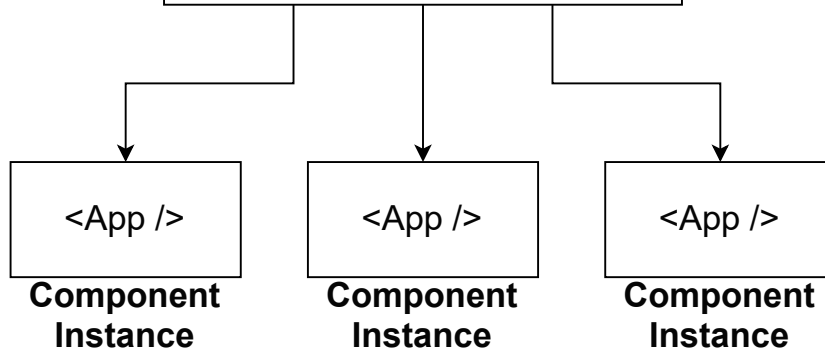
**Component
Instance**

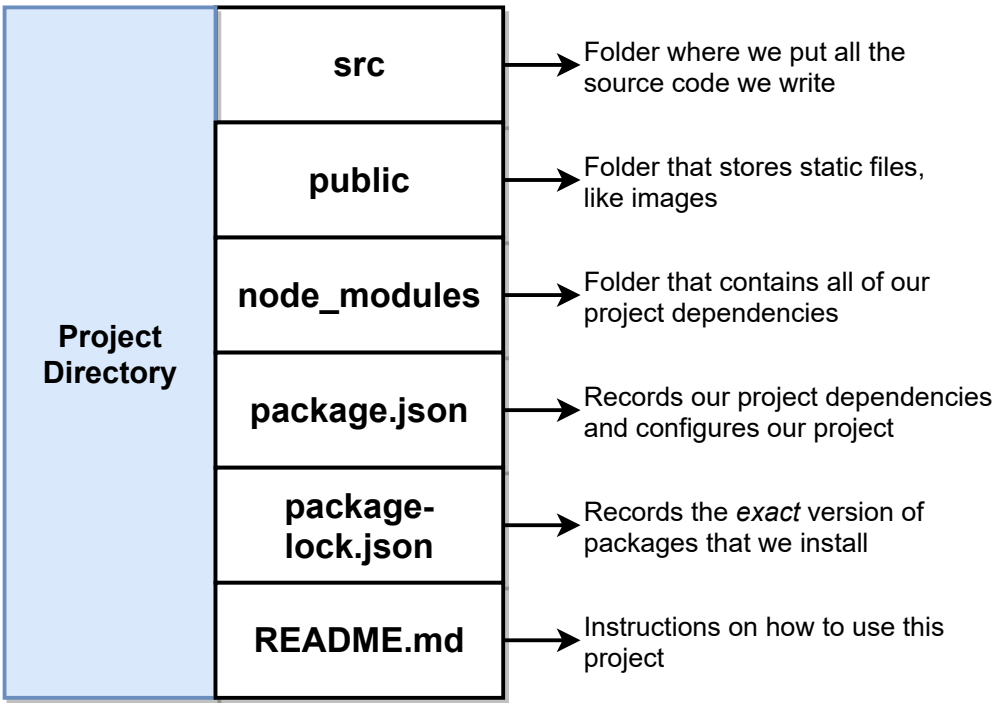
<App />

**Component
Instance**

<App />

**Component
Instance**





Port in use message

localhost:3000 doesn't work

Stopping the
React app

Press **Control+C** at the terminal

Starting the app
up in the future

Run **npm start** in the project directory

Once the app is started, you can visit it
at **localhost:3000**

