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

...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?

Questions!

How did the screen change when we moved the mouse?

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

Let's learn more about JSX

Codepen is great, but not frequently

used for professional projects

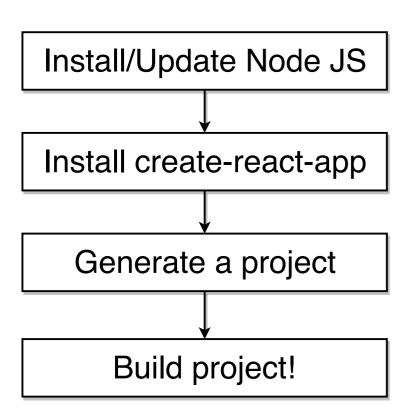
Let's generate a new *local* React project!

Already have Node installed?

Great, go to the next video

nodejs.org/en/download

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



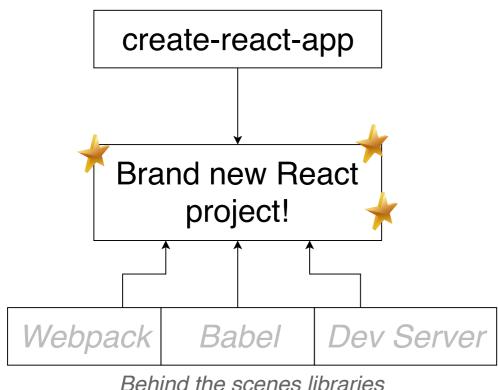
Installs this package globally so we can run it from the terminal

npm install -g create-react-app

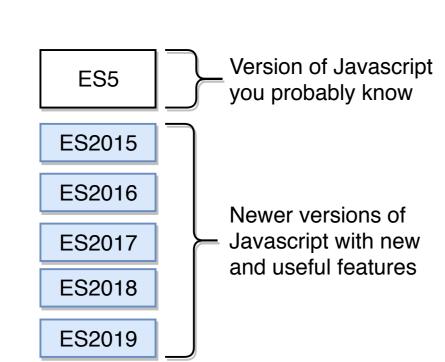
We want to 'install' a package onto our computers

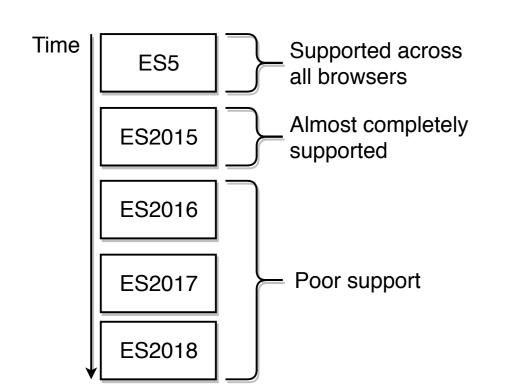
Name of the package we want to install computers

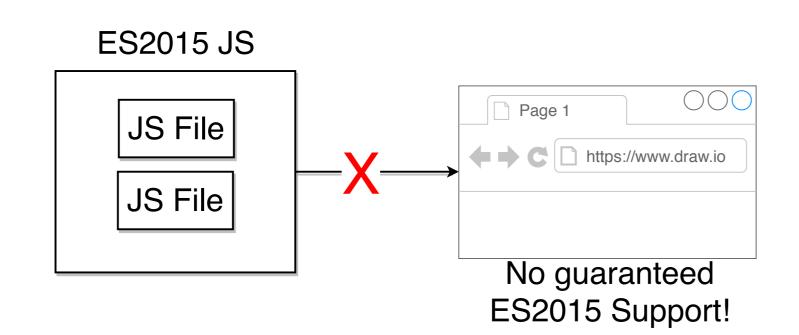
Alternate command! npx create-react-app <name of project>

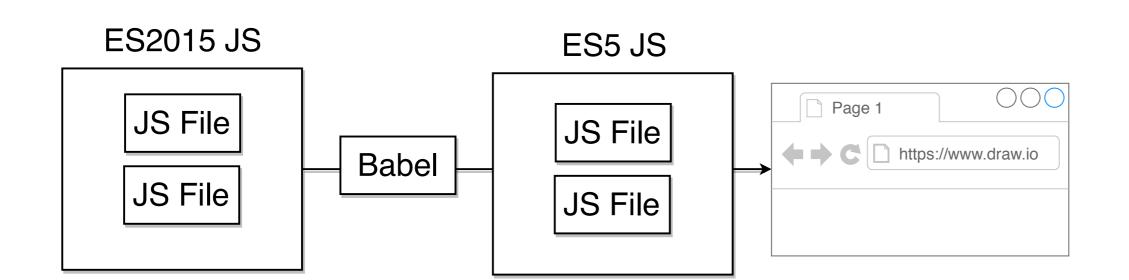


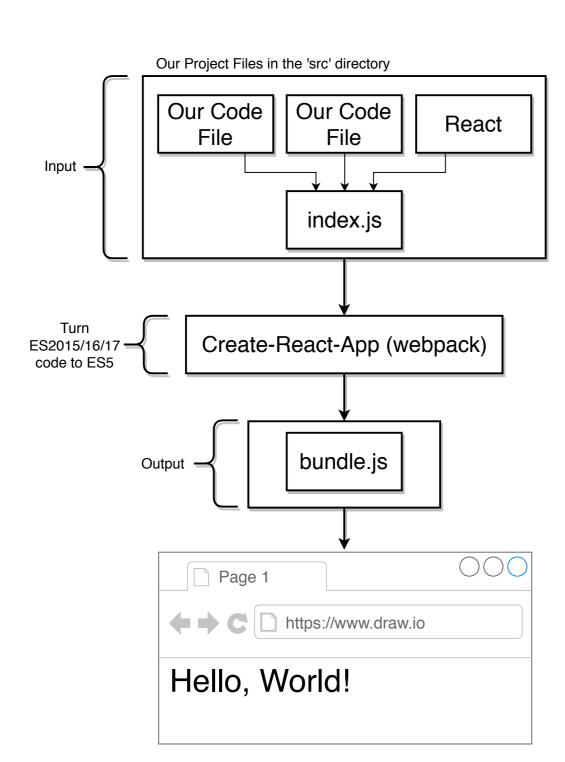
Behind the scenes libraries that you don't have to setup

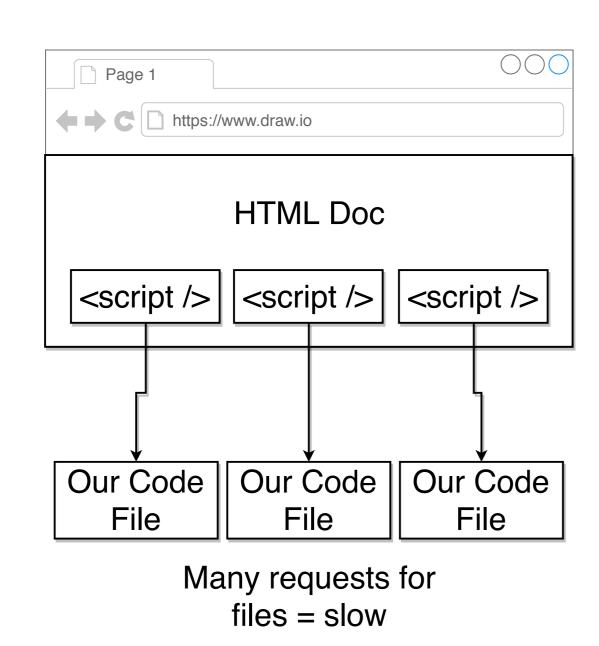


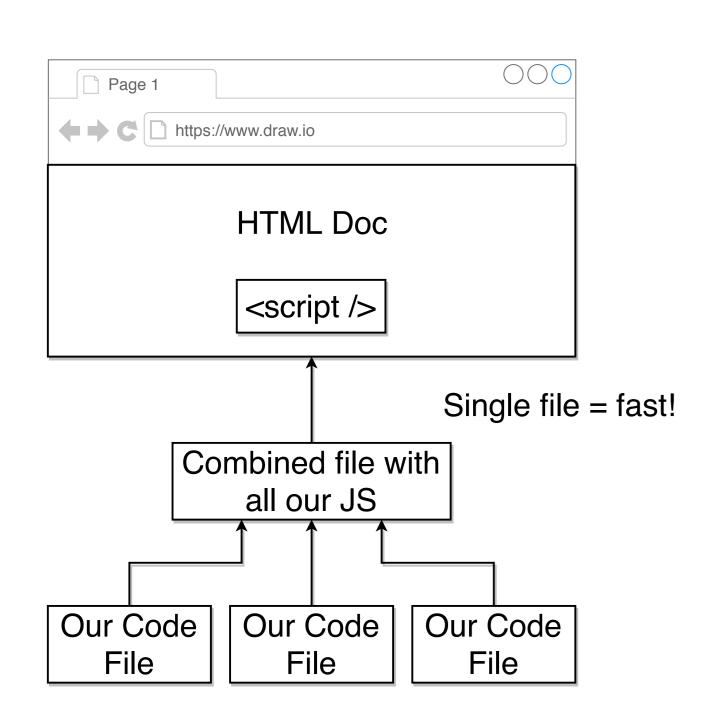


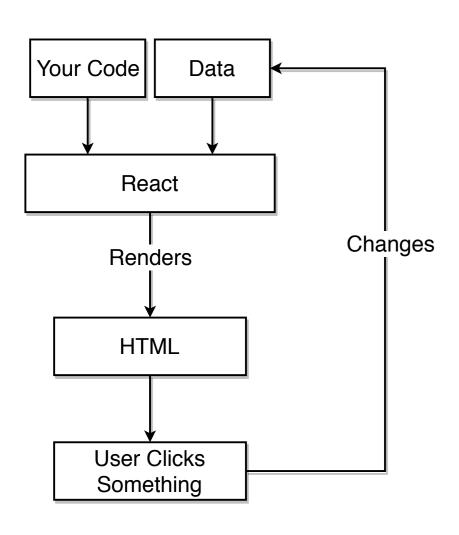






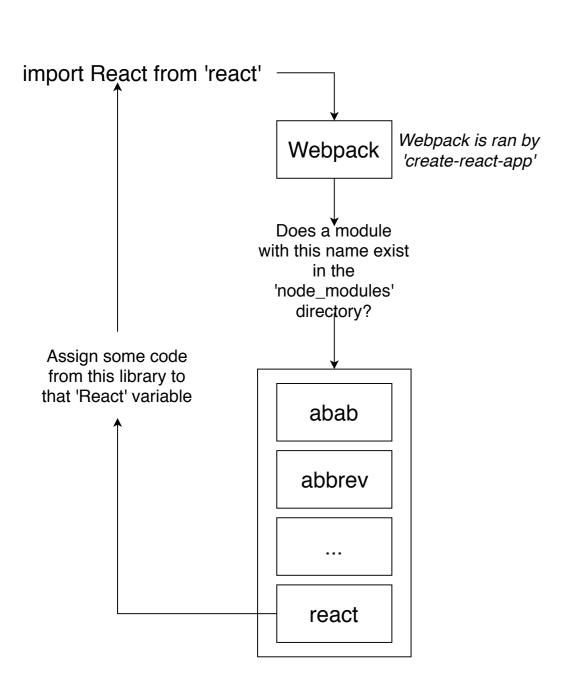






Showing Content in the Browser

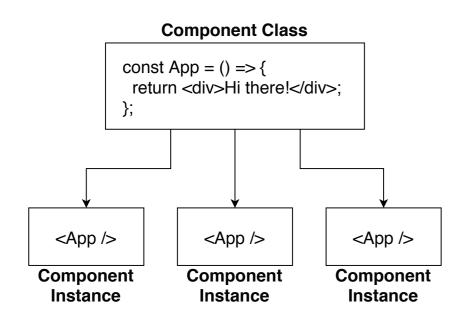
Problem	Solution	
Where do we add code?	Figure out how create- react-app loads code we write	
What code do we add?	Figure out how to show HTML with React	
How do we run the code we add?	Figure out how to build or run the create-react-app project	



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



Project Directory pa	src	Folder where we put all the source code we write
	public	Folder that stores static files, like images
	node_modules	Folder that contains all of our project dependencies
	package.json	Records our project dependencies and configures our project
	package- lock.json	Records the <i>exact</i> version of packages that we install
	README.md	Instructions on how to use this project

Port in use message

localhost:3000 doesn't work

Stopping the React app

Starting the app up in the future

Press Control+C at the terminal

Run npm start in the project directory

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

We want to get code from some other file or dependency

import

React

from

'react'

The variable we want to assign this import to

The variable we want to assign this import to

we are about to specify the name of the library or file we are importing from

The name of the dependency or path to the file we are importing

