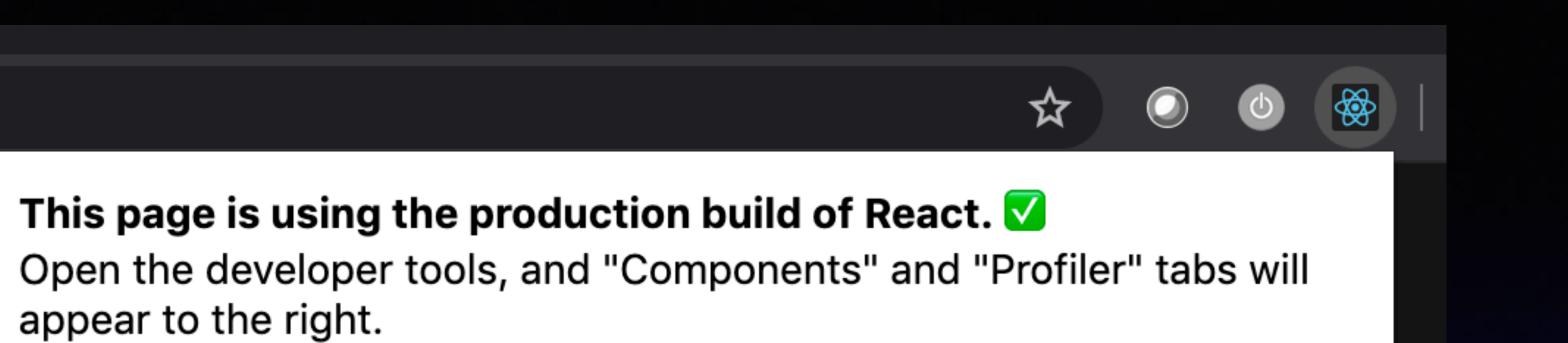
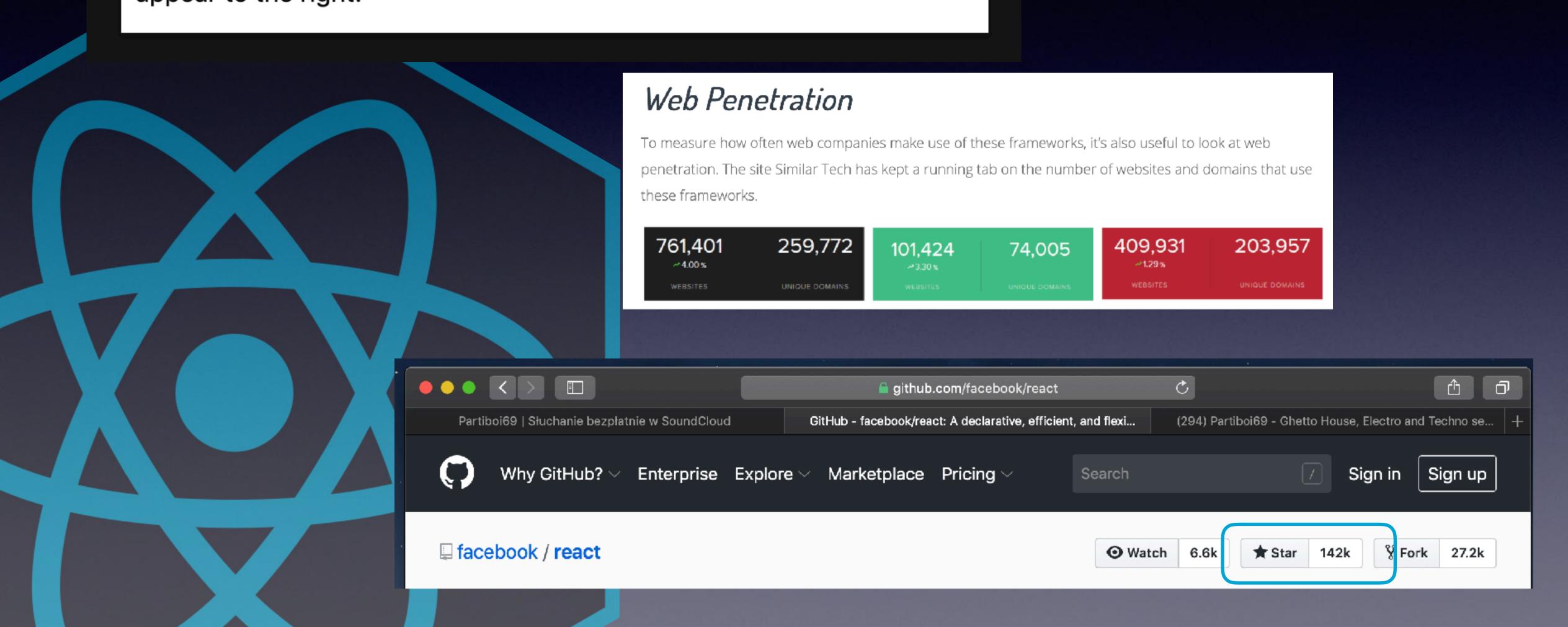


React what to eat with, how it tastes like

Why React?



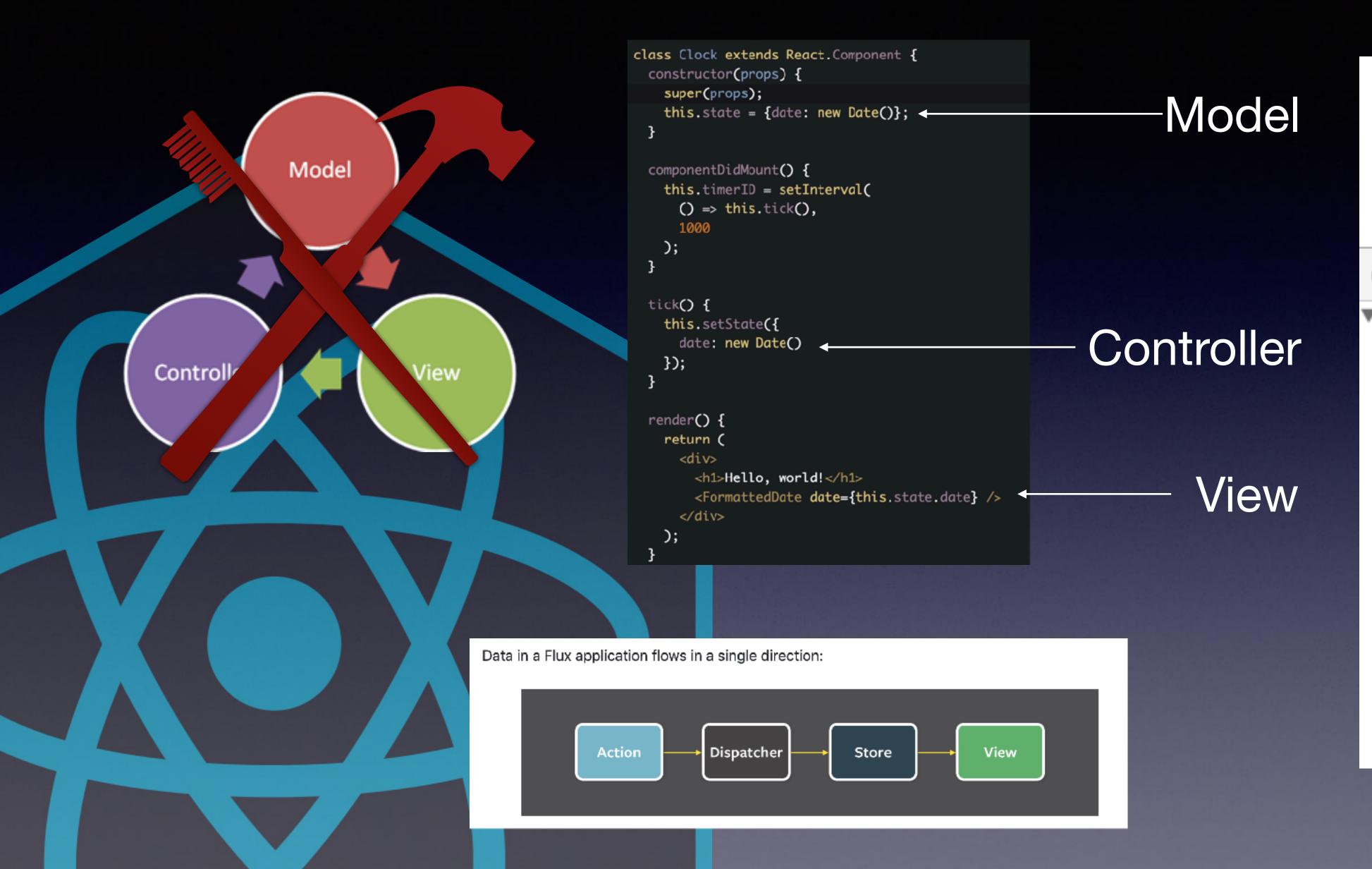






ES6





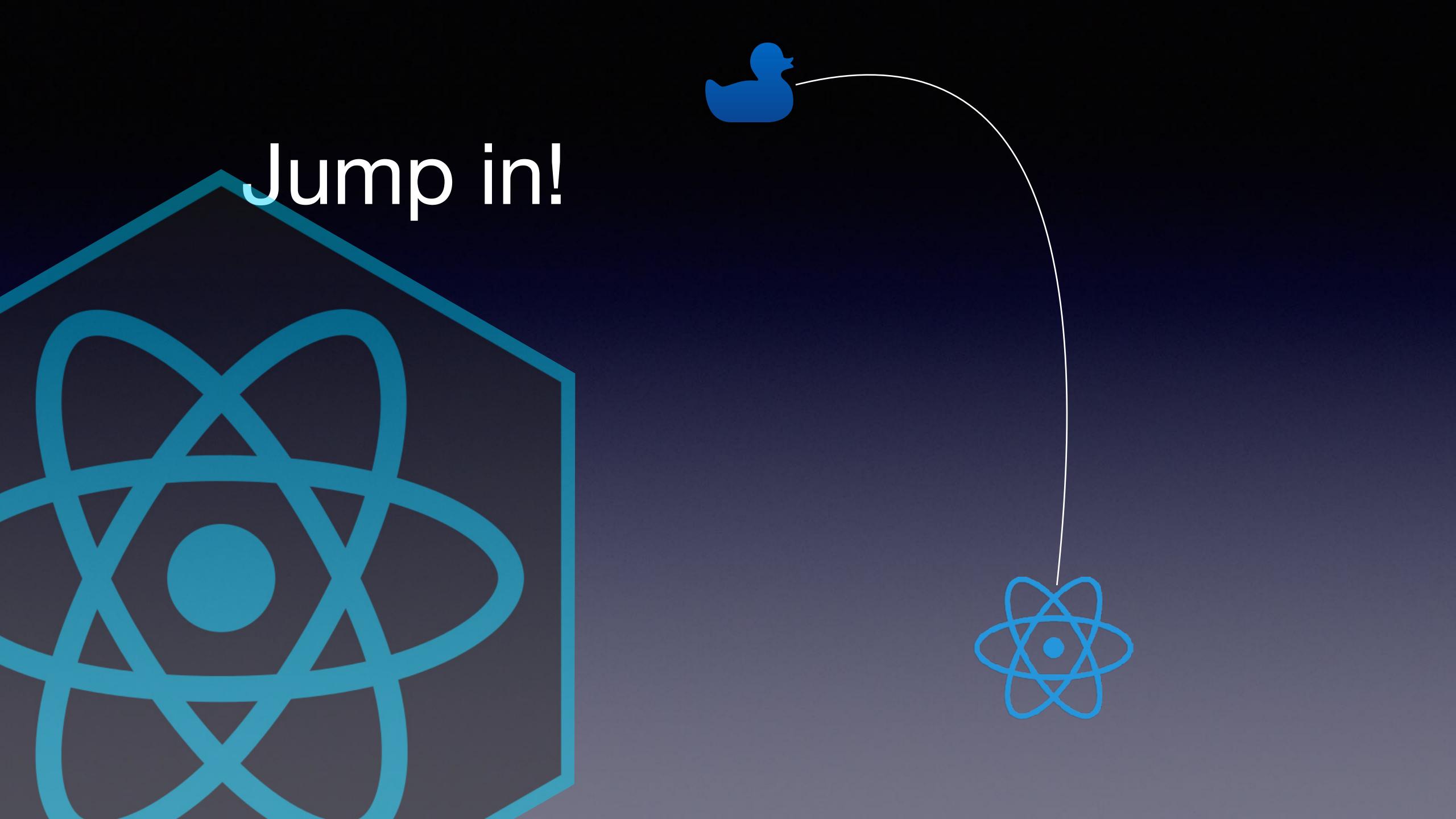
Hello, world!

It is 12:26:46 PM.

```
Sources Network
Console
                           Timeline
▼<div id="root">
 ▼<div data-reactroot>
     <h1>Hello, world!</h1>
   ▼<h2>
      <!-- react-text: 4 -->
      "It is "
      <!-- /react-text -->
       <!-- react-text: 5 -->
      "12:26:46 PM"
      <!-- /react-text -->
       <!-- react-text: 6 -->
      "."
       <!-- /react-text -->
     </h2>
   </div>
 </div>
```

Disclaimers!

- · Just the basics!
- We trust new JS (classes & lambdas instead of IIFE and this hell)
- Things change quickly in this world modularise React++



Tutorial: Intro to React

This tutorial doesn't assume any existing React knowledge.

Before We Start the Tutorial

We will build a small game during this tutorial. You might be tempted to skip it because you're not building games — but give it a chance. The techniques you'll learn in the tutorial are fundamental to building any React app, and mastering it will give you a deep understanding of React.

Tip

This tutorial is designed for people who prefer to **learn by doing**. If you prefer learning concepts from the ground up, check out our <u>step-by-step guide</u>. You might find this tutorial and the guide complementary to each other.

Hello World

The smallest React example looks like this:

```
ReactDOM.render(
    <h1>Hello, world!</h1>,
    document.getElementById('root')
);
```

It displays a heading saying "Hello, world!" on the page.

Try it on CodePen

Click the link above to open an online editor. Feel free to make some changes, and see how they affect the output. Most pages in this guide will have editable examples like this one.

How to Read This Guide



```
const element = <h1>Hello, world!</h1>;
```

```
const name = 'Josh Perez';
const element = <h1>Hello, {name}</h1>;
```

```
function getGreeting(user) {
   if (user) {
     return <h1>Hello, {formatName(user)}!</h1>;
   }
  return <h1>Hello, Stranger.</h1>;
}
```

```
const title = response.potentiallyMaliciousInput;
// This is safe:
const element = <h1>{title}</h1>;
```

const element = ;

XHTML + sanitiser + JS = <u>JSX</u>

```
class Welcome extends React.Component {
   render() {
    return <h1>Hello, {this.props.name}</h1>;
   }
}
```

```
const element = <Welcome name="Sara" />;
```

```
ReactDOM.render(
   element,
   document.getElementById('root')
);
```

Components & Props

```
class Clock extends React.Component {
  constructor(props) {
   super(props);
   this.state = {date: new Date()};
 }
  componentDidMount() {
    this.timerID = setInterval(
      () => this.tick(),
      1000
   );
 tick() {
    this.setState({
      date: new Date()
   });
 render() {
    return (
      <div>
        <h1>Hello, world!</h1>
        <FormattedDate date={this.state.date} />
      </div>
   );
```

State

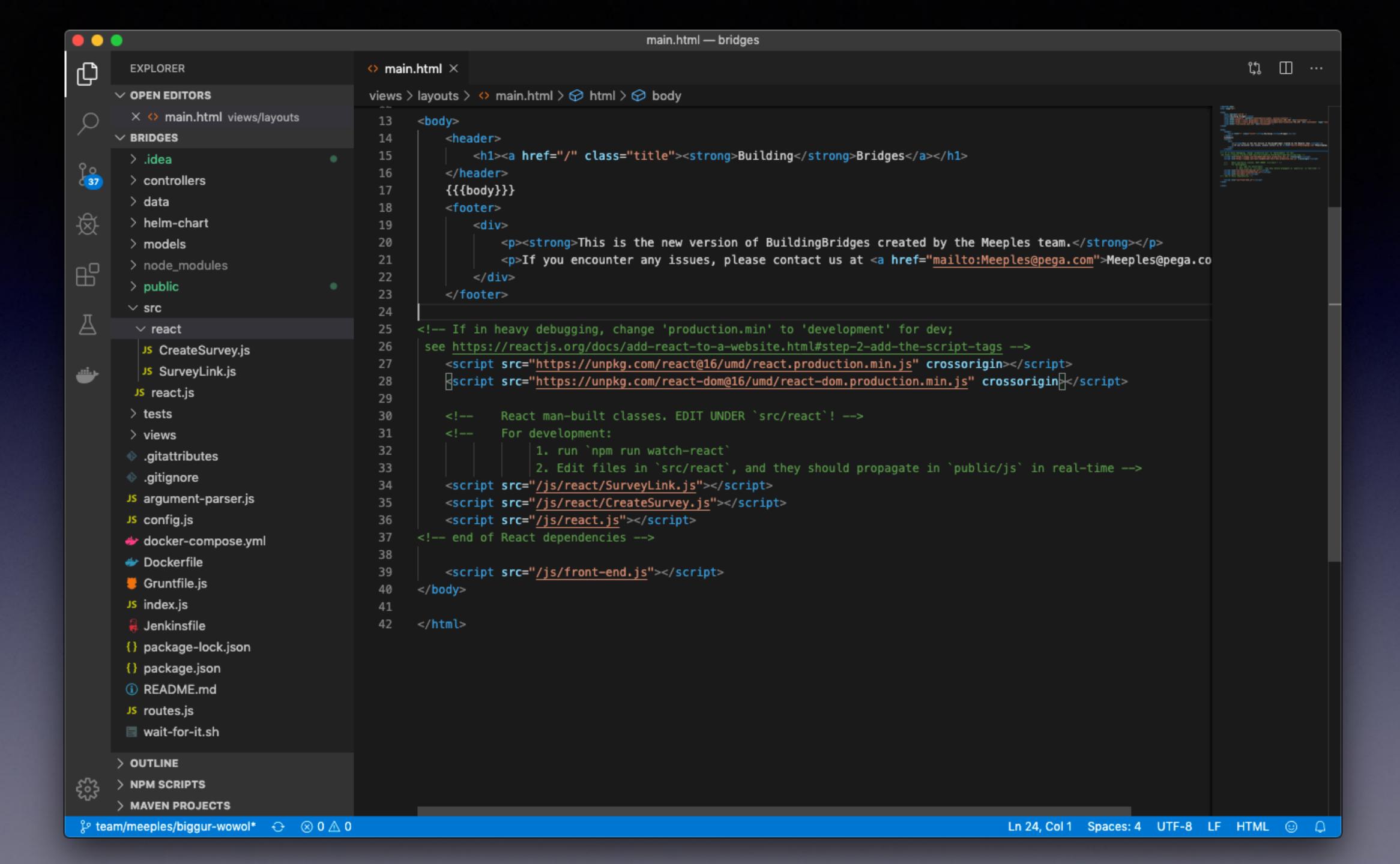


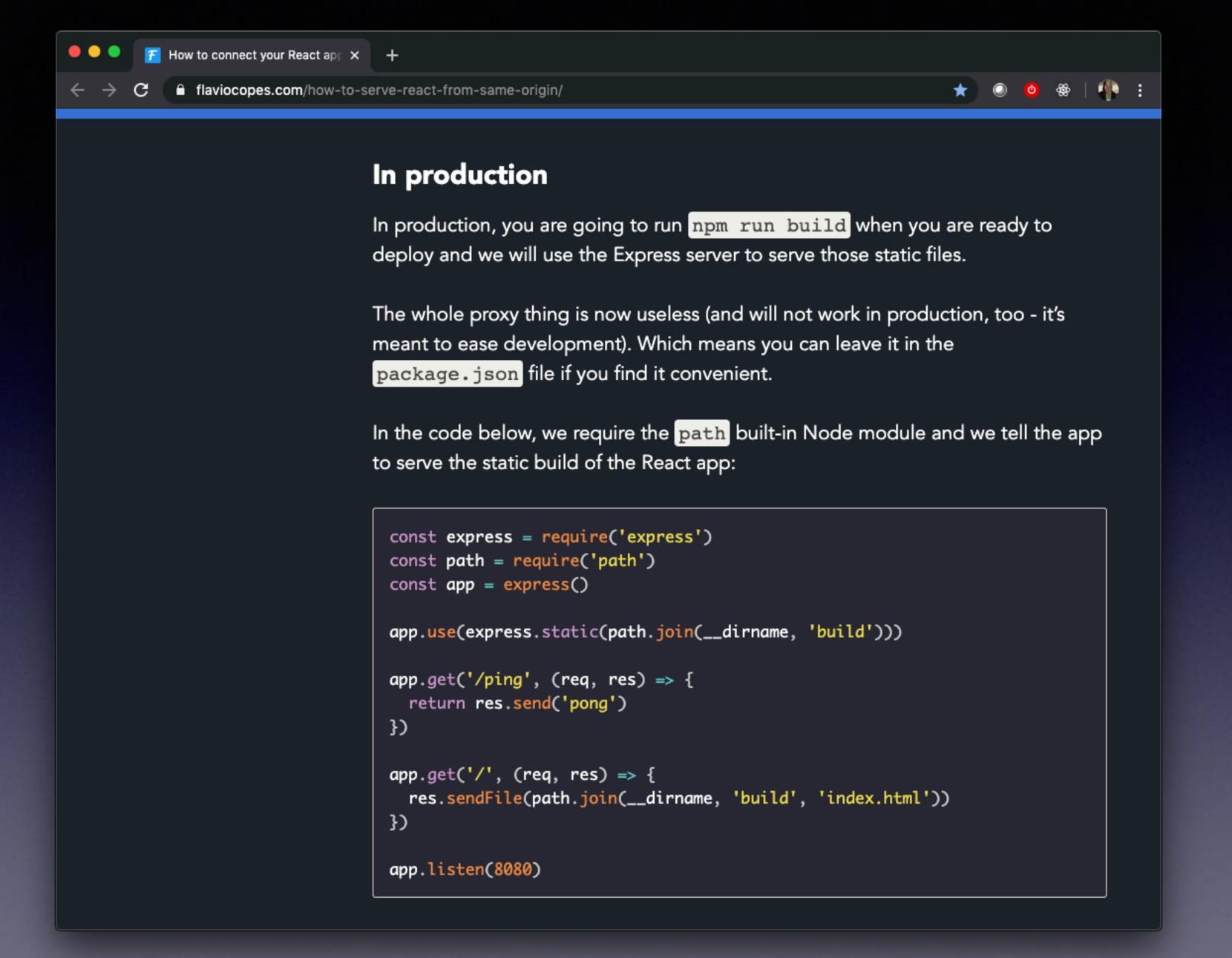
Questions?



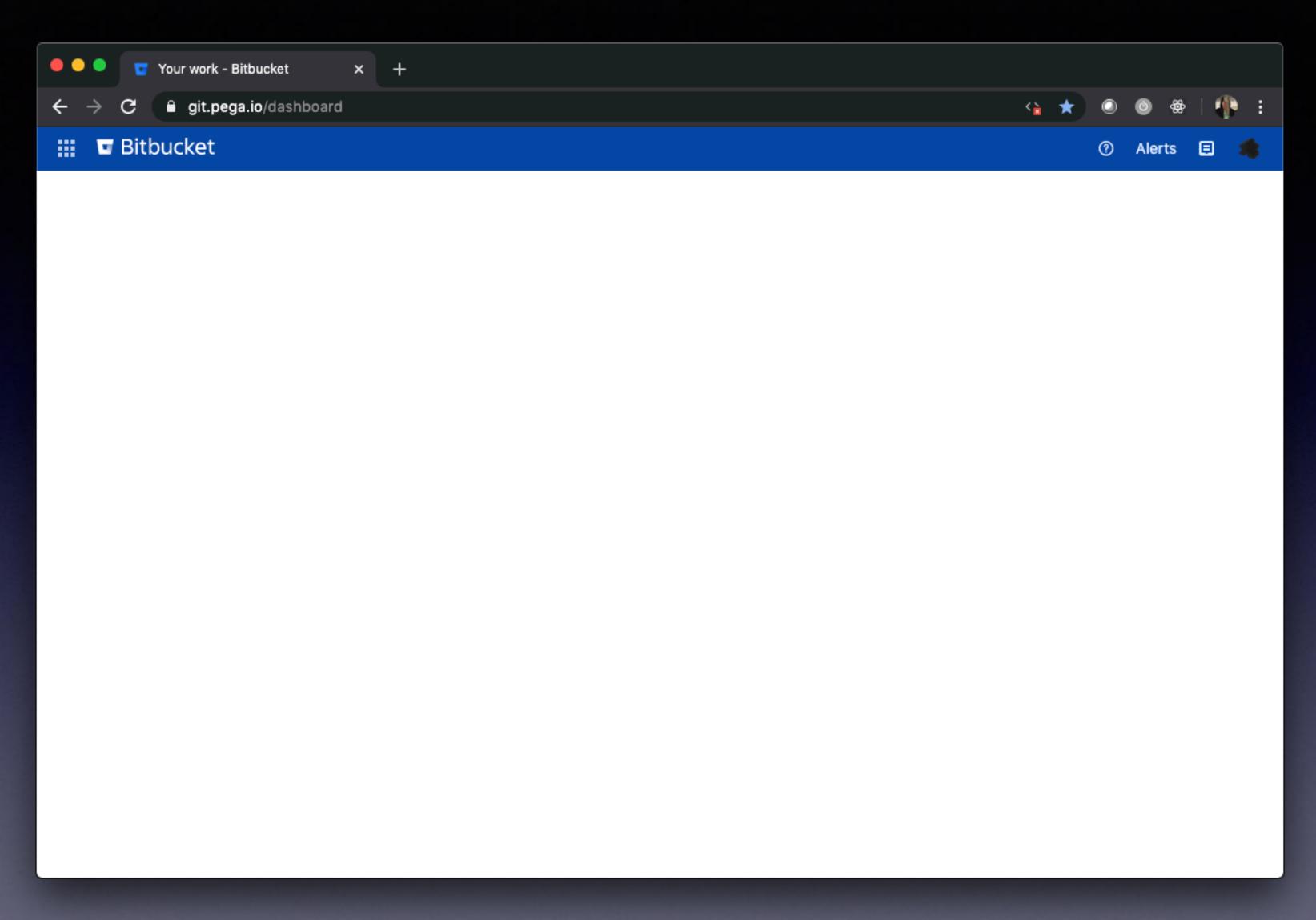
https://reactjs.org/docs/create-a-new-react-app.html#create-react-app

This is the world we live in.





https://flaviocopes.com/how-to-serve-react-from-same-origin/



Challenges of SPA world

- Context.Provider

→ p Memo

→ Context.Provider

- Context.Provider

Anonymous

- Kr

→ Context.Provider

Anonymous

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→ Context.Provider

→ AppLayout

- Dn

→ t

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- Router.Provider

Router.Consumer

¬ t key="Home"

- In

- Router.Consumer

- nn

- pn

Button

Anonymous

Anonymous

Anonymous

Anonymous

Anonymous

Anonymous

Anonymous

Anonymous

Anonymous

▼ Router.Provider

Anonymous

→ Anonymous

- Bn



```
const mapStateToProps = (state /*, ownProps*/) => {
  return {
    counter: state.counter
  }
}
```





★ State Hook

This example renders a counter. When you click the button, it increments the value:

FUTURE