

Intro to React

By Carlos G. Limardo


*i*cims®



Agenda

- What is React?
- Benefits of React
- Tutorial and Quick Overview
- How we use React at iCIMS

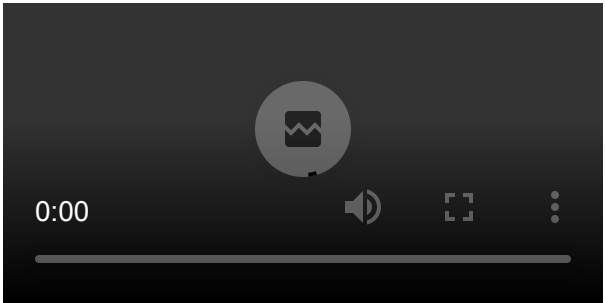
Assumption: Basic knowledge of HTML/CSS/Javascript

Links and code examples available on GitHub: <https://github.com/iCIMS-inc/intro-to-react>

What is React?

A javascript library for building user interfaces

It encourages the creation of reusable UI components



Benefits of React

Virtual DOM

It's not a framework, it's a library

Components

Easy to learn

What do I need to know?

Javascript

JSX

Hello World

Plain Javascript

Setting up your application



#> npx create-rea |

Form.jsx

```
1. import React from 'react';
2.
3. const Form = ({value}) => {
4.   return (
5.     <form>
6.       <input type="text" value={value} />
7.       <button type="submit">Add</button>
8.     </form>
9.   )
10. }
11.
12. export default Form;
```

Form.js

ListItem.jsx

```
1. import React from 'react';
2. import PropTypes from 'prop-types';
3.
4. const ListItem = ({children}) => {
5.   return (
6.     <div>
7.       <input type='checkbox' />
8.       {children}
9.     </div>
10.  )
11. }
12.
13. ListItem.propTypes = {
```

ListItem.js

List.jsx

Import the ListItem component for reuse

mockList.js

Let's give our app some data

App.js

Replace your App.js

Form.jsx

Form.jsx

App.jsx

```
1. import React from 'react';
2. import Form from './Form.jsx';
3. import List from './List.jsx';
4. import initialTodos from './mockTodos.js';
5.
6. class App extends React.Component {
7.   constructor(props) {
8.     super(props);
9.     this.state = {
10.       inputValue: '',
11.       todos: initialTodos
12.     };
13.
14.     this.handleChange = this.handleChange.bind(this);
15.     this.handleSubmit = this.handleSubmit.bind(this);
16.   }
```

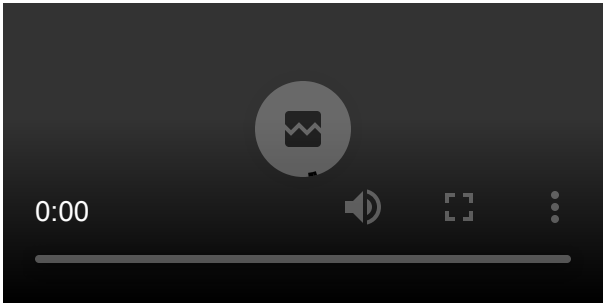
Constructor initializes our component


```
<App title="Halloween Todos" />
```

Halloween Todos

- ☐ go grocery shopping
- ☐ buy movie tix
- ☐ walk the dog
- ☐ schedule dentist appt

React at iCIMS



This and more on GitHub: <https://github.com/iCIMS-inc/intro-to-react>

Resources

- React Documentation: <https://reactjs.org/>
- Thinking in React: <https://reactjs.org/docs/thinking-in-react.html>
- Create React App: <https://github.com/facebook/create-react-app>
- Javascript Tutorial: https://developer.mozilla.org/en-US/docs/Web/JavaScript/A_re-introduction_to_JavaScript

Shout outs

- MDX Deck: <https://github.com/jxnblk/mdx-deck>
- CodeSurfer: <https://github.com/pomber/code-surfer>

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