



React JS in 1 hour for beginner



What is React.js

- JavaScript library for building user interfaces
- Is open source, but maintained by Facebook
- Can be the “V” in MVC
- Single page applications
- Uses a high-speed virtual DOM
- Easy to understand JSX syntax



Introducing JSX

- Stands for JavaScript XML
- JSX is a XML-like syntax extension to ECMAScript without any defined semantics
- Is a preprocessor step that adds XML syntax to JavaScript
- Just like XML, JSX tags have a tag name, attributes, and children



Creating a React component

- Split the UI into independent, reusable pieces
- Accept arbitrary inputs called "props"
- Define at least a render() method



Handling events

- Similar to handling events on DOM elements
- Events are named using camelCase
- With JSX you pass a function as the event handler, rather than a string



Using states

- Affects how a component behaves and renders
- Should be considered private data



Defining parent/child relationships

- Using the special children
- Using refs
- Simply pass props
- Set up your own global event system (Flux pattern)



Adding child elements

- Using the `push()` method
- Using the `map()` method



Mounting and updating components

- `ComponentDidMount()`
- `ComponentWillUnmount()`



Demo