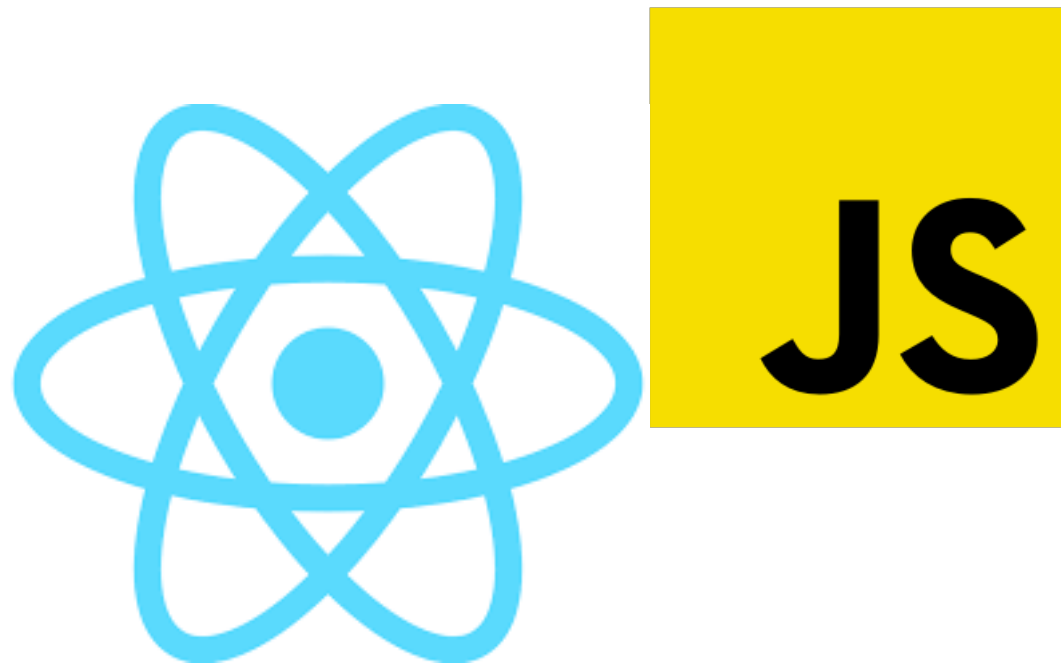


Lesson - 35

Intro to React



Lesson Plan

- HW Review
- Intro to React
- JSX
- Rendering Elements
- Components and Props

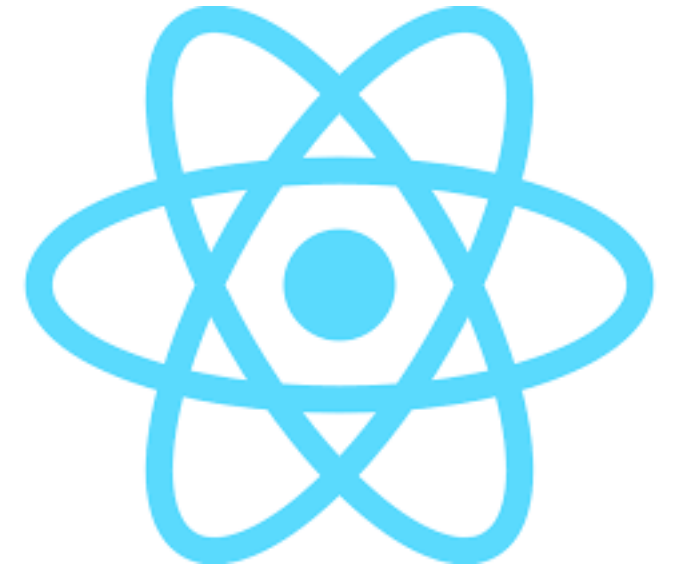
What is React?

React is a JavaScript library created by Facebook.

React is a tool for building UI components.

Instead of manipulating the browser's DOM directly, React creates a virtual DOM in memory, where it does all the necessary manipulating, before making the changes in the browser DOM.

React finds out what changes have been made, and changes **only** what needs to be changed.



Where to Start?

1. Official React website: <https://reactjs.org/>
2. Learning resources:
 1. https://www.w3schools.com/react/react_getstarted.asp
 2. <https://www.geeksforgeeks.org/react-js-introduction-working/?ref=lbp>

What to read first

1. Introducing to JSX

1. <https://reactjs.org/docs/introducing-jsx.html>
2. https://www.w3schools.com/react/react_jsx.asp
3. <https://www.geeksforgeeks.org/reactjs-introduction-jsx/?ref=lbp>

2. Rendering Elements

1. <https://reactjs.org/docs/rendering-elements.html>
2. https://www.w3schools.com/react/react_render.asp
3. <https://www.geeksforgeeks.org/reactjs-rendering-elements/?ref=lbp>

What to read first

1. Components and Props

1. Components:

1. https://www.w3schools.com/react/react_components.asp
2. <https://www.geeksforgeeks.org/reactjs-components/?ref=lbp>
3. <https://reactjs.org/docs/components-and-props.html>

2. Props

1. https://www.w3schools.com/react/react_props.asp
2. <https://www.geeksforgeeks.org/reactjs-props-set-1/?ref=lbp>
3. <https://www.geeksforgeeks.org/reactjs-props-set-2/?ref=lbp>

Home work

1. Follow this small tutorial to setup locally: <https://www.geeksforgeeks.org/reactjs-setting-development-environment/?ref=lbp>
2. Using create-react-app generator create a basic project
3. Try to split and create two new components AppHeader and AppIntro from App.js (like we did in class)

Learning Resources

1. Animations

1. <https://yalantis.com/blog/web-animation-technologies-and-tools/>
 2. Example of simple animations: <https://www.30secondsofcode.org/css/t/animation/p/1>
 3. https://www.w3schools.com/css/css3_animations.asp
 4. Array.reduce https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array/Reduce
-
2. Webpack Source Map: <https://webpack.js.org/configuration/devtool/>
 3. Source Map: <https://blog.teamtreehouse.com/introduction-source-maps>