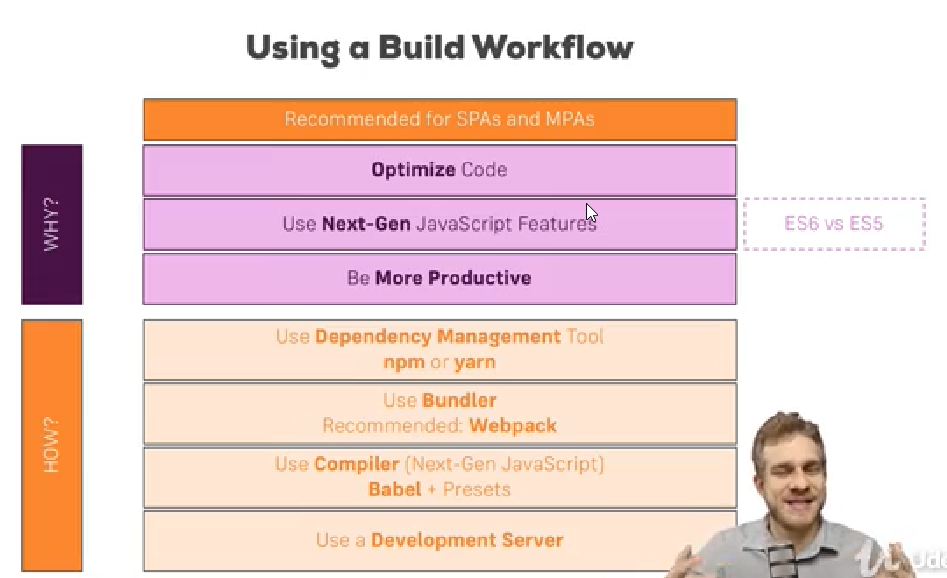
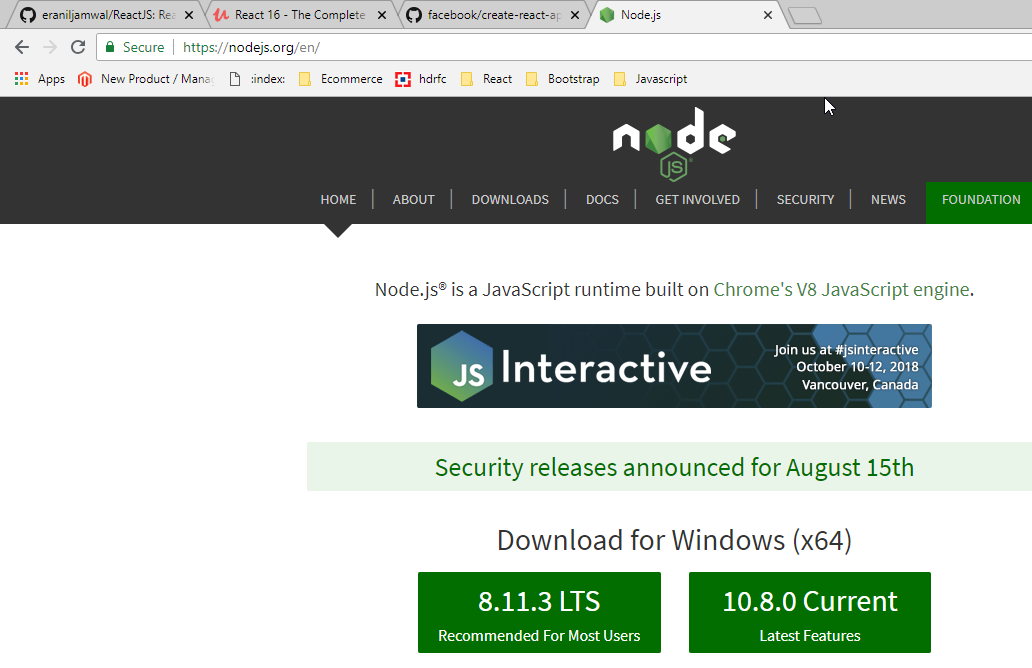
ReactJS



Dwnload and install NodeJS:



React JS installation:

***npx create-react-app my-app***

***cd my-app***

***npm start***

***JSX code(Commented) will get converted to html element with following react manner implicitly.***

// <div className="App">

// <h1>Hi, I am first React App</h1>

// </div>

React.createElement("div", {className : "App"}, React.createElement("h1",null, "Hi I am first React App"))

);

We can say component is a javascript function which will return jsx code

Creating a Functional Component

import React from 'react';

const person = () => {

return <p>Hi I am Person</p>

}

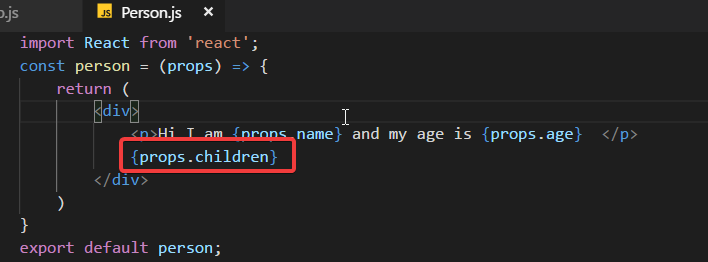
export default person;



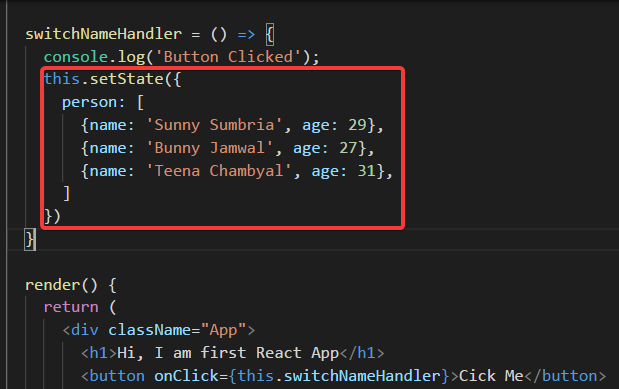
If we want to display dynamic content we should use expression syntax(curly braces {}):

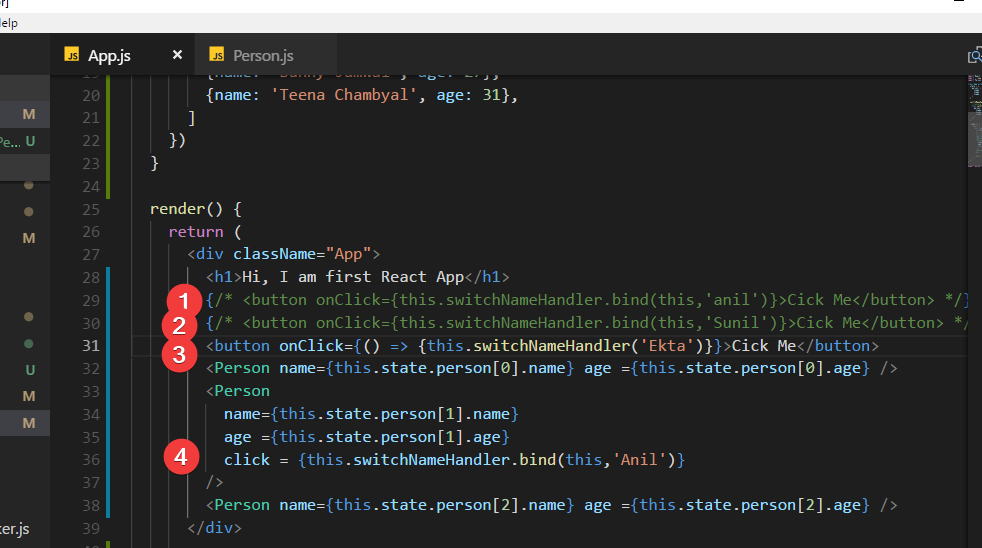
return <p>Hi I am Person and my age is {Math.floor(Math.random() \*30)} </p>

Understanding children property:

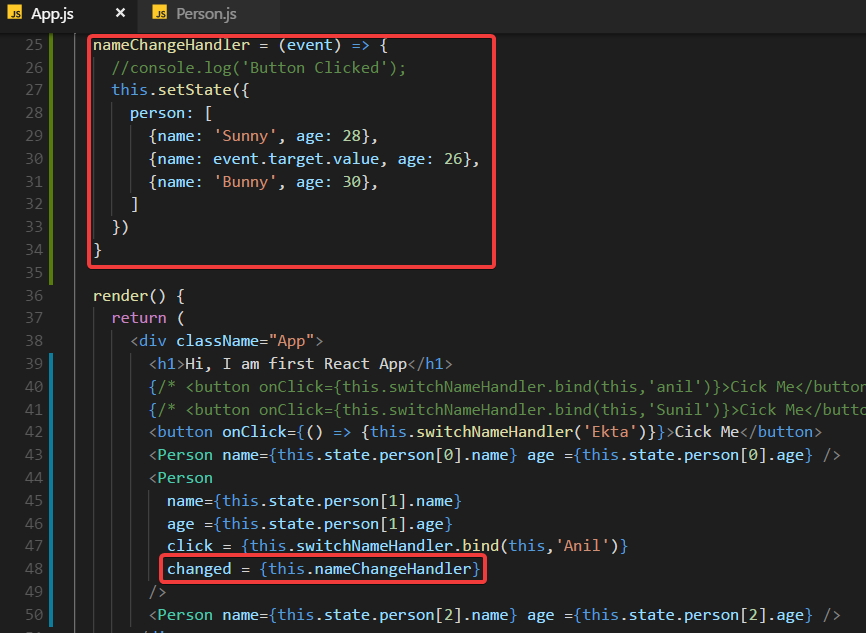


Update the State:

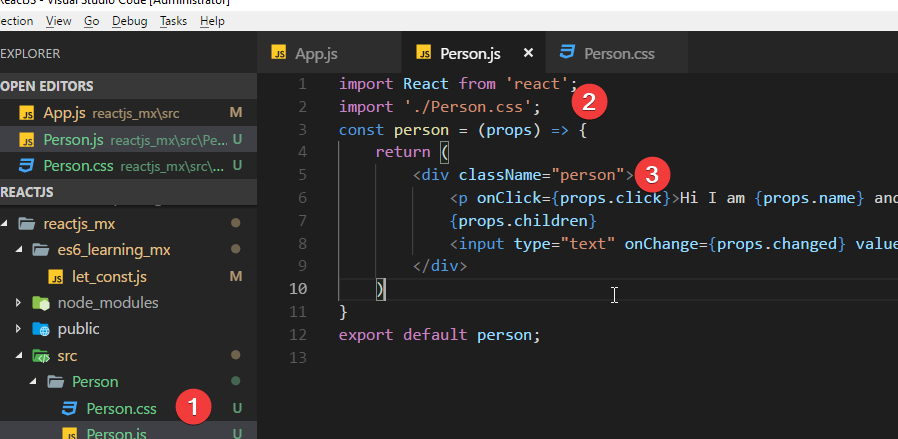


Passing method reference between components:  


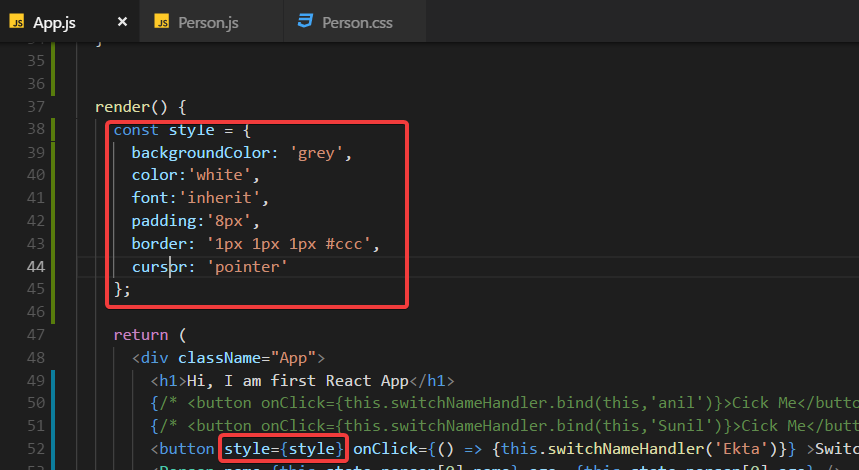
Adding Two way Binding:



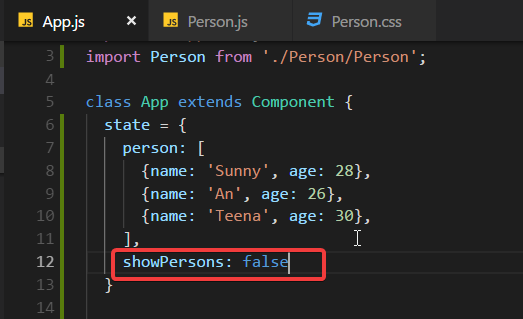
Working With CSS:



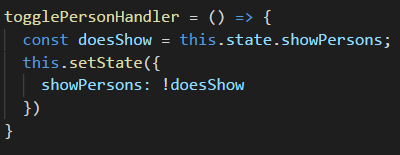
Add Inline CSS:



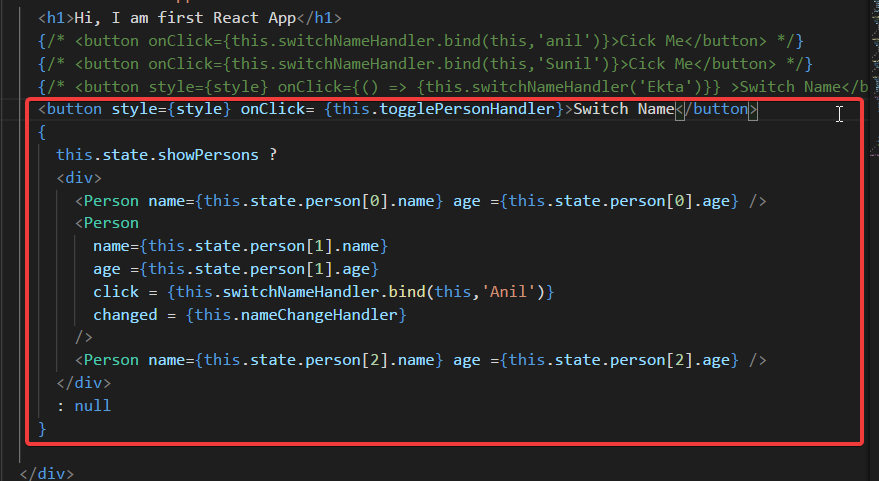
Rendering Content Conditionally:



Add this function :



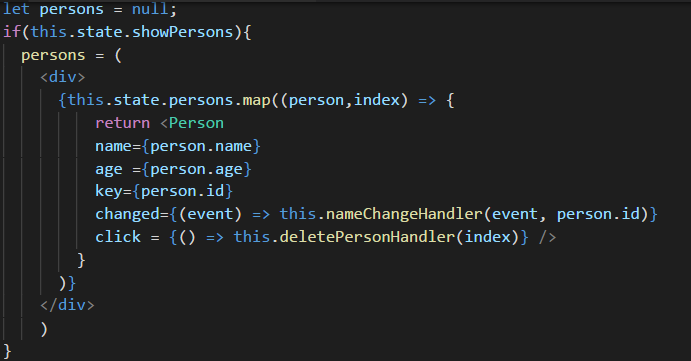
Display content conditionally:

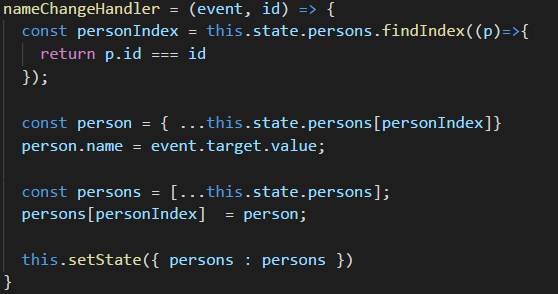


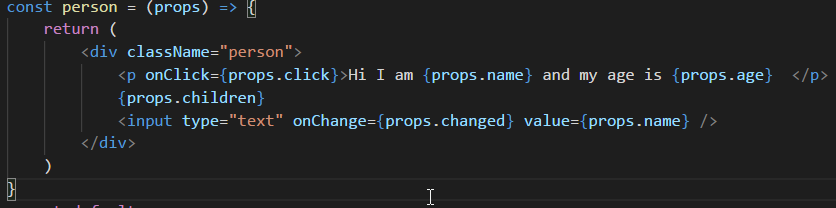
Handling Dynamic Content "The JavaScript Way":



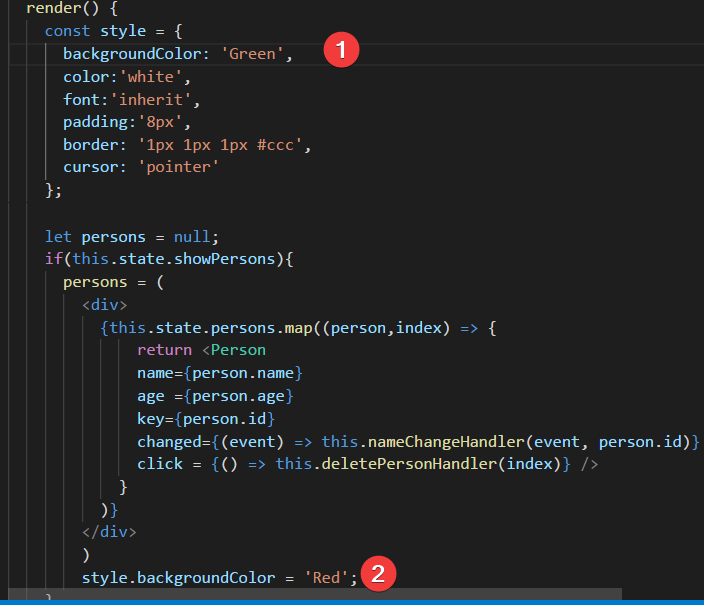
Outputting Lists:



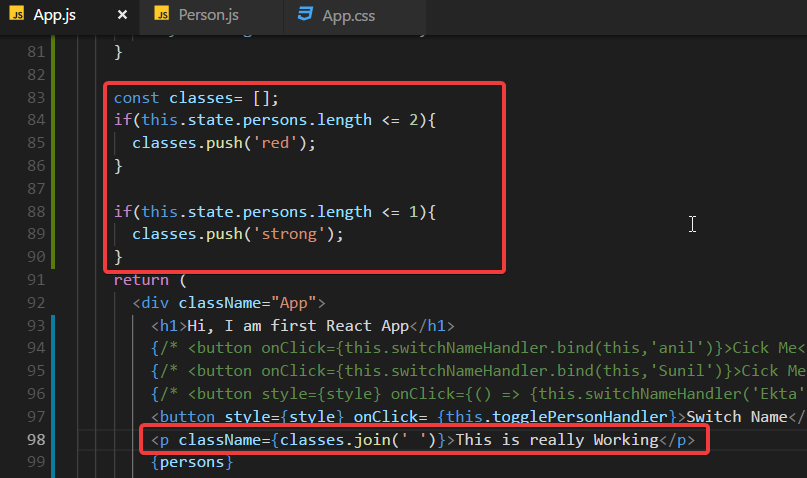




Setting Style Dynamically:

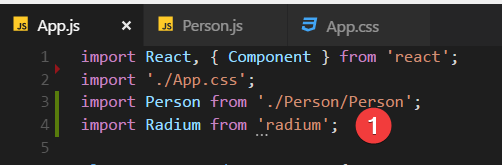


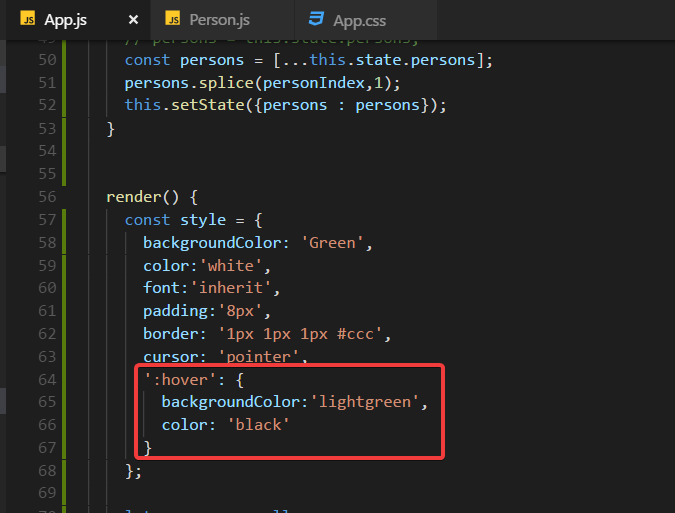
Setting class name dynamically:

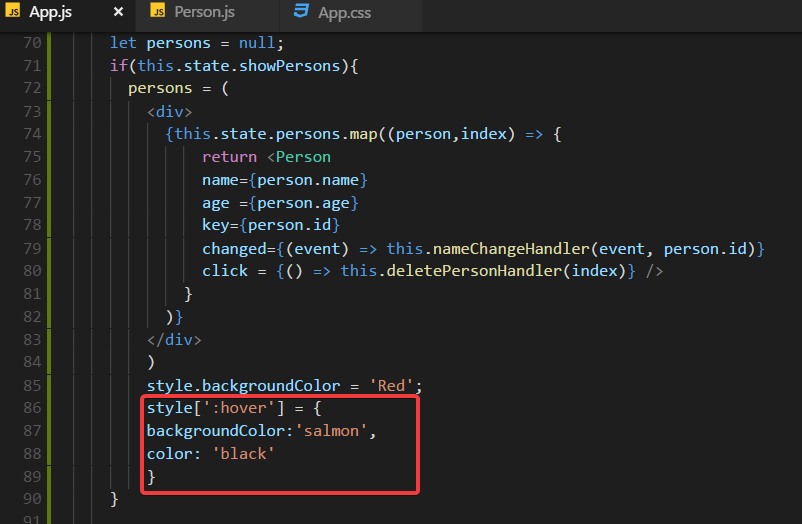


Adding and using radium:

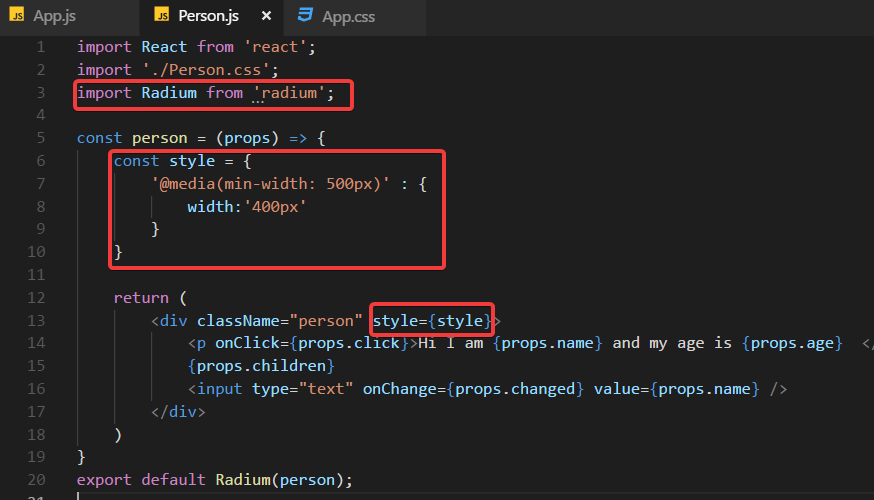
Npm install –save radium

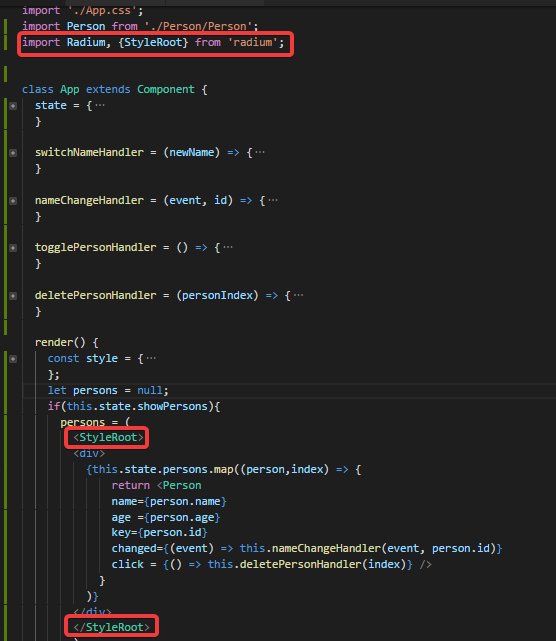






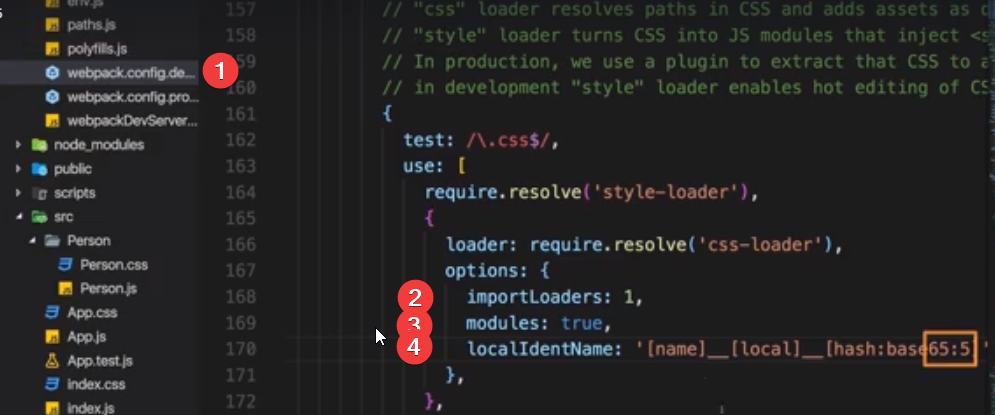
Add mediaquery:



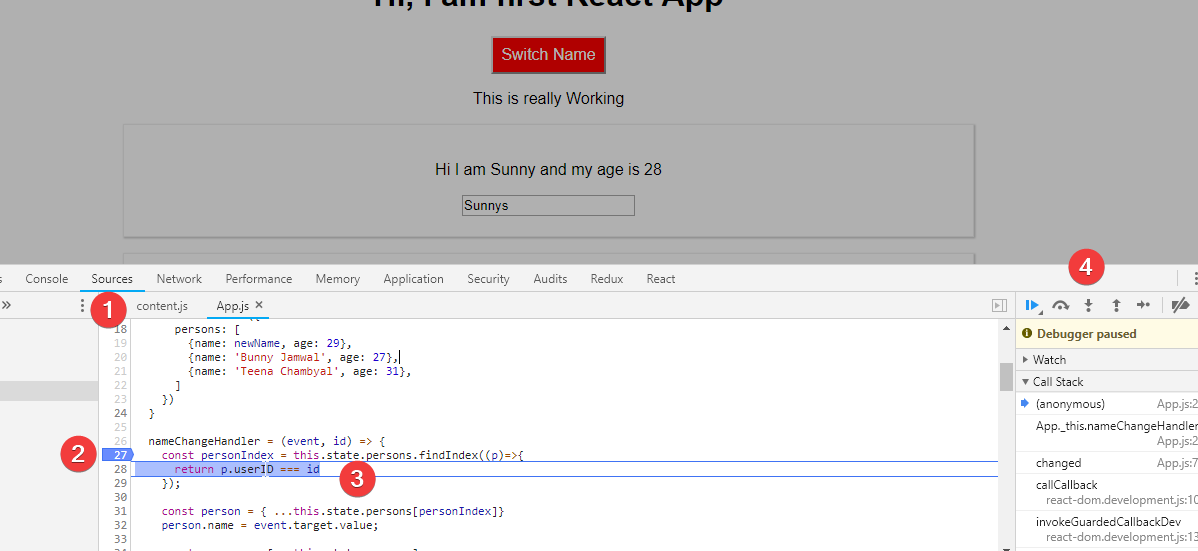


Enabling and using CSS module:

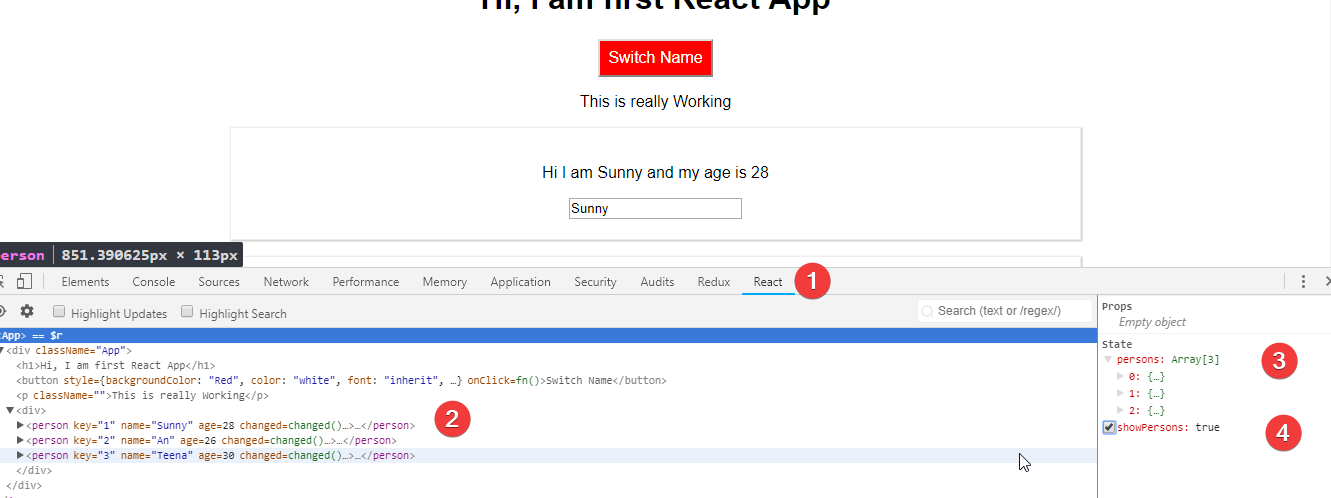
Write following mysql command: npm run eject

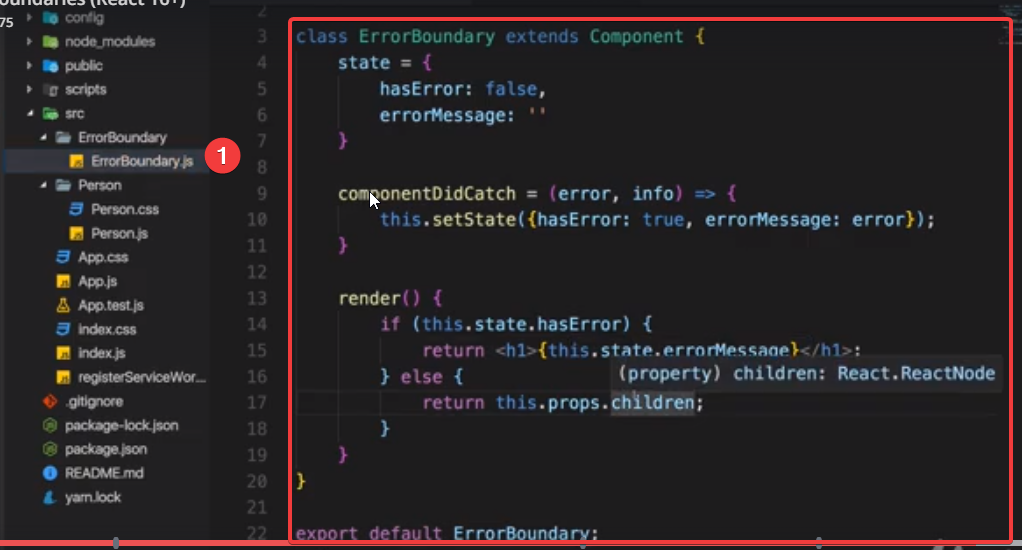


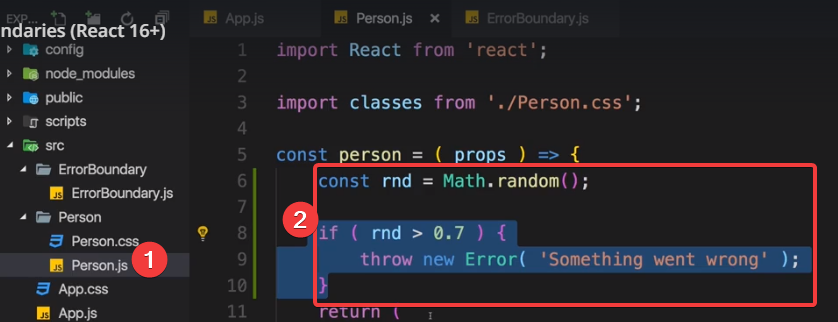
Debugging:

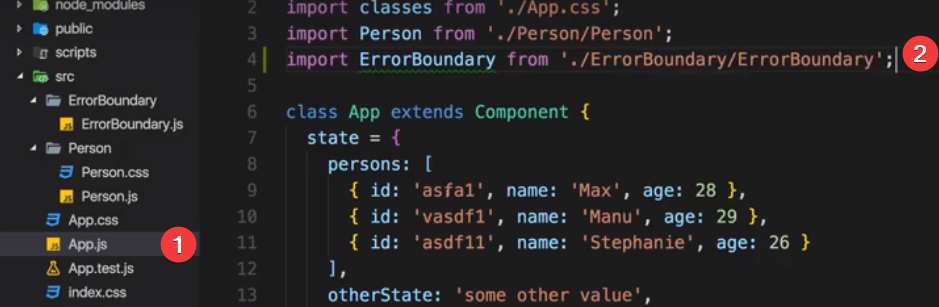


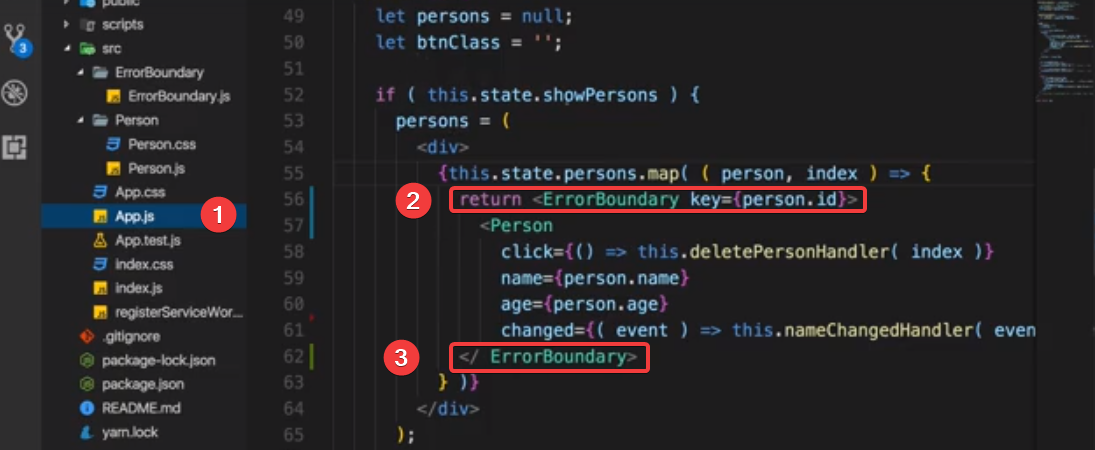
React Developer tool:





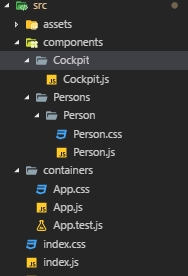




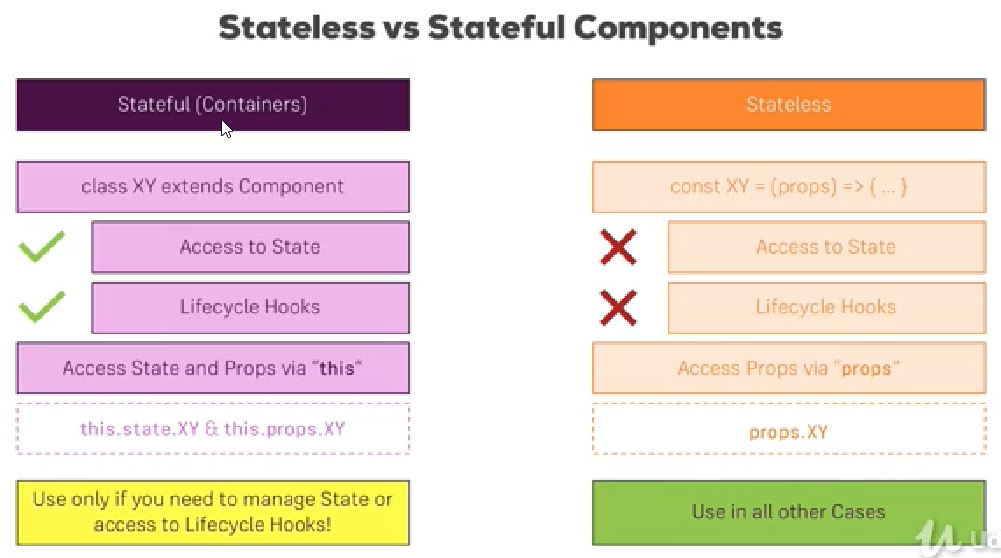


Component:

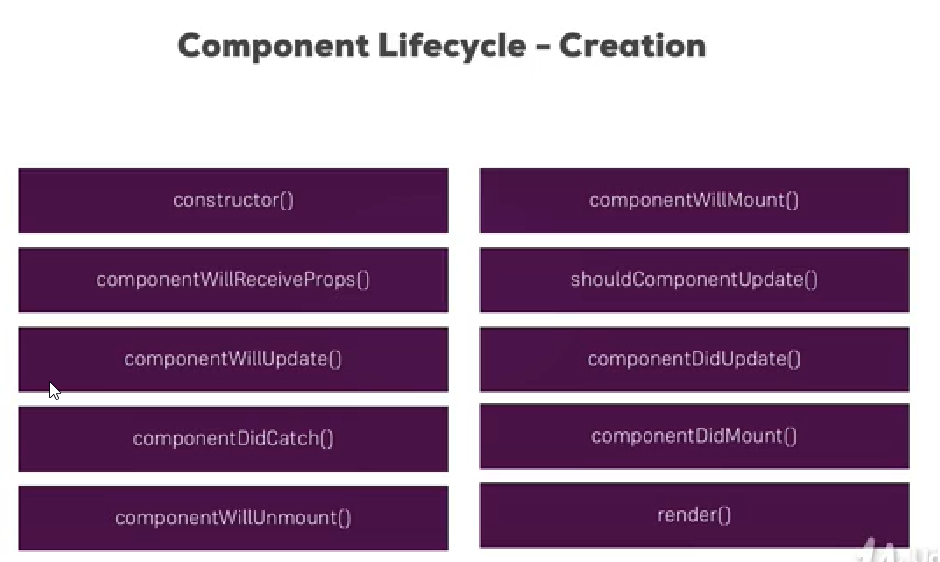
Better Project tructure:

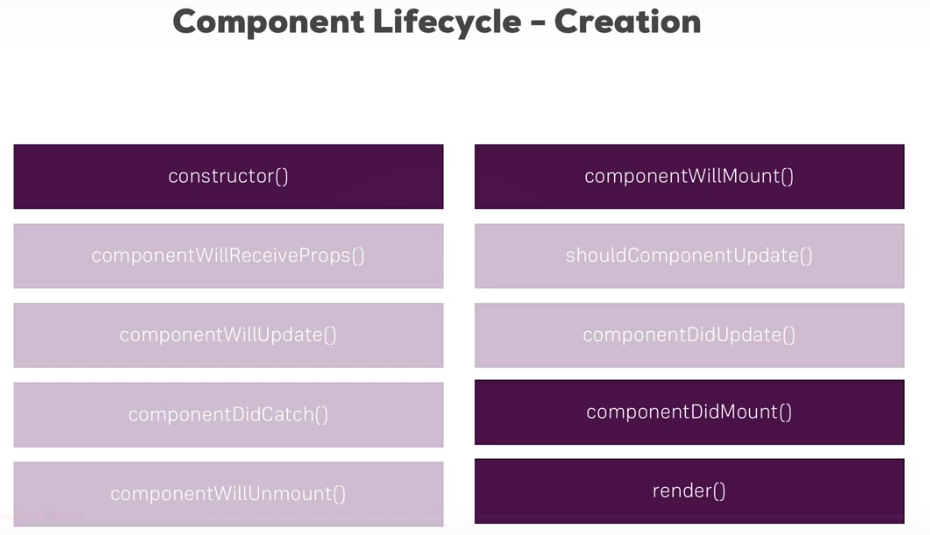


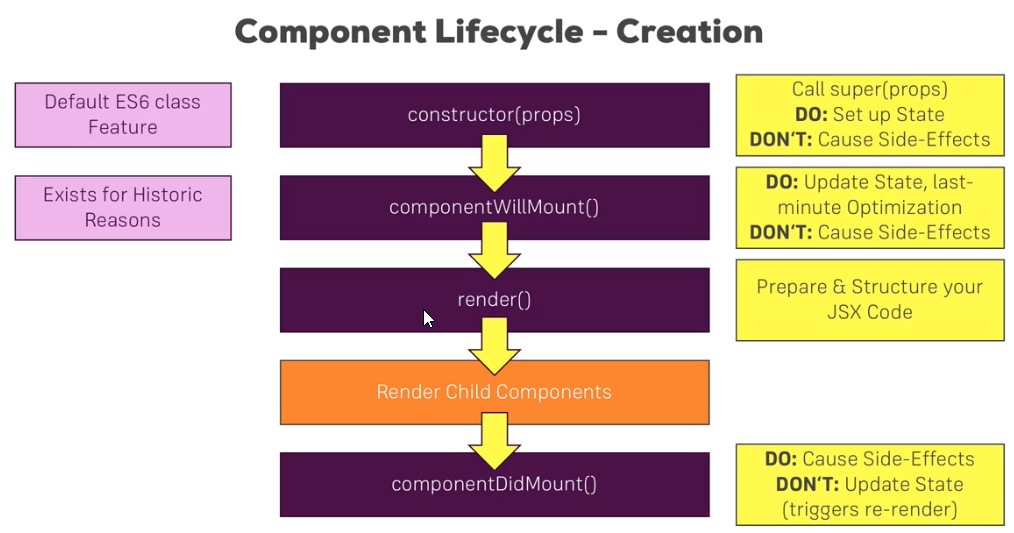
Stateful vs stateless components: Do minimal use of class component as much as possible because we want state should be changed from minimal places



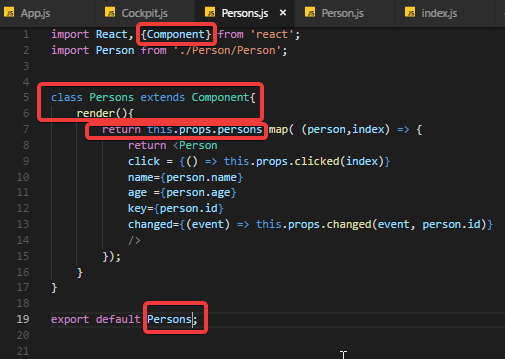
Component Lifecycle:

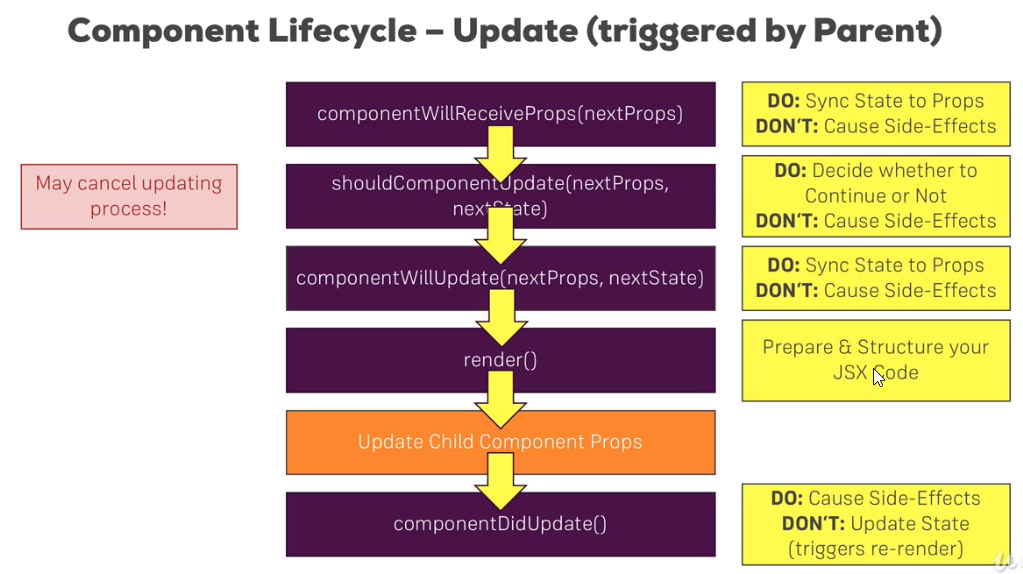


These methods (Lifecycle hooks) will execute during component creation



Converting stateless component to stateful:





Component Updating Lifecycle in Action