**React.Js + Redux**

**What is React**?

* JS library created by Facebook
* Also used by Netflix & Instagram
* Used to create JS-Driven dynamic web apps
* In that regard, can be compared to angular & Vue

**What is Redux?**

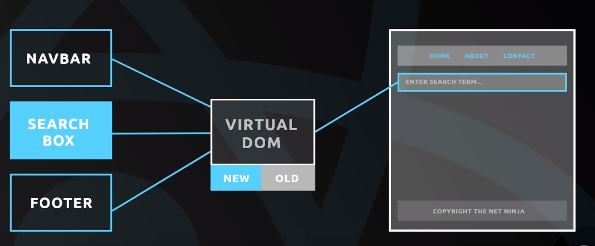
* A layer on-top of React
* Helps with state management of our app
  + Data in the app
  + UI state of the app
* Learn this in the 2nd half of the playlist

**What we will learn**

* React basics
  + Components, events, templates, props & forms
* React Router
  + Routes, route parameters, redirects
* Redux
  + Stores, actions & reducers

**Lesson 2**

Components are important!

Example: Navbar, search box, footer

Components & Templates

* Components look like HTML templates (JSX javascriptxml file)
* They can contain ‘state’(data or UI state)
* They also can contain JS for functionality

**Lesson 3**

**Set up react**

1. Get CDN from react official website

<script crossorigin src="https://unpkg.com/react@16/umd/react.development.js"></script>

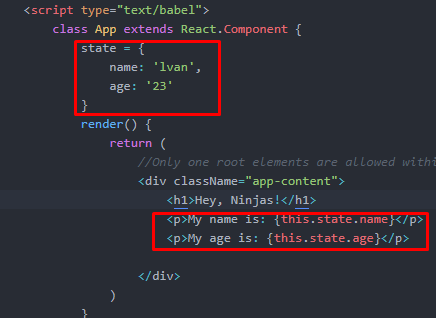
<script crossorigin src="https://unpkg.com/react-dom@16/umd/react-dom.development.js"></script>

1. Get the babel cdn from babel official website
2. 

**Lesson 4**

**Component State**

* JavaScript Object
* Describes the current state of the component
  + Data, UI-state
* The state of a component can be updated overtime
  + A modal could close
  + The data we output could change

Example: 

**Lesson 6**

\*There is a chrome extension called React dev tool which can manually change the state within the chrome browser

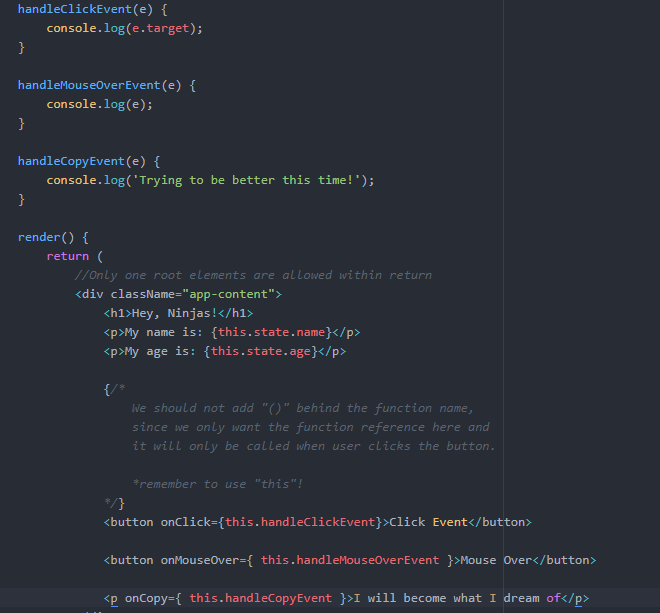
**Lesson 7 EVENT**

**Notes\***

Remember to add “this” before refencing the function

Remember not to add “()” behind the function references

Remember not to use this.state inside the function implementation



**LESSON 8 Change State Value**

Don’t use this.state.value = “new value”

But use

this.setState({

value: “Some new value”

});

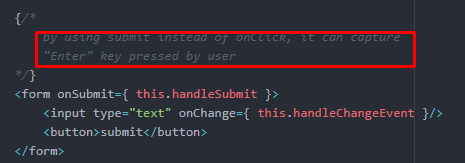
**LESSON 9 FORM**

Notes\*

1. The default action for website when submitting form is to refresh the page.

To Prevent this default event behaviour use

e.preventDefault()

1. 

**LESSON 10 Create React App**

* A command line tool to create React apps
  + Development server
  + Use **ES6(Wut is this???)** features which are not normally supported
  + Keep our code modular
  + Use build tools to create optimized code

Check links:

<https://github.com/facebook/create-react-app>

**LESSON 11 Single page React App**

* React apps are typically SPA’s
* Only ever one html page served to the browser
* React then controls what a user sees on that page

