Week1 To Do List:

* Get emmet thing working

npx create-react-app@latest tic-tac-toe

Day 1:

React – a client side javascript library

Vanilla Javascript requires every action to be written out which can lead to lengthy code

React Framework – React is a component based JS framework. With react you develop your applications by creating re-usable components. Essentially react works at a higher level and do not have to dive into the nitty gritty parts of coding elements.

React JSX – JSX is a syntax extension of JavaScript for combining JS and html into a single document. JSX is more strict than html.

* There must always be a closing tag even on elements that don’t have a separate closing tag <img contents />
* Entire statement must be enclosed in a single parent tag
  + Can also use <> contents </>
* Reserved words cannot be used (ie. Class) so use className instead.

SPA’s – (Single Page Applications) are a webpage design where the contents of the page are being replaced rather than navigating to a new page. Essentially every change on the page is just replacing html instead of loading an entirely new page. We are manipulating the DOM

Some JS notes:

* New class syntax
* Spread and Rest operator
* Objects and Arrays are reference type

Day 2:

Components – React uses components to build pages. Each component will have its own html, css, and logic. The CSS is more of an afterthought.

React uses a declarative approach – you are defining the desired end/target state(s). React will figure out the DOM updates behind the scenes