**React JS Notes**

React Methods:

* React.createClass: Creates a react component
* ReactDOM.render: The starting point for react components to display on the page (see typecalculator.jsx)
  + Since 0.14 ReactDOM is the new way to call render, instead of React
  + Pulled in from react-dom

React Parameter Types:

* Strings: React.PropTypes.string
* Arrays: React.PropTypes.arrayOf(React.PropTypes.string)
* RequiredParameters: React.PropTypes.string.isRequired

React Component Methods:

* render: The output element of a react js component
  + Can only return one root element
  + Can use this.props and this.state to access a components values (see typedropdown.jsx)
  + To use javascript variables, put the variable names in {} (see typedropdown.jsx)
* componentDidUpdate: This is used when a component is updated, for example in the case the component is hovered over (see tablebodyrows.jsx)
* componentDidMount: An event called after a react js element is put into the DOM of the page
* getInitialState: The starting state of properties to be used in the render function, only called once at the start of the react components life
* getDefaultProps: Invoked once, this method lets you specify the default values to be used for this.props
* shouldComponentUpdate: Use this method to determine if the react component needs to update visually, in other words be rerendered

React Component Properties:

* displayName (string): This is the name used to debug the component within the browser console
* propTypes (object): This is used to tell React the object types of the parameters accepted by the render method, accessed with “this.props”. These can be specified as required (see switchlayout.jsx)