**REACT**

React is a JavaScript library for building user interfaces.

React is used to build single-page applications.

React allows us to create reusable UI components.

It use JSX style coding (JavaScript XML)

NPM(Node Package Manager)

**Extensions & Short cuts**

ES7 React Simple Read Snippet

Rfce (react function component exposer)

**Creating A React App**

Npm install -g create-react-app

Npx create-react-app my-app

Npm start

**What is JSX?**

JSX stands for JavaScript XML.

JSX allows us to write HTML in React.

JSX makes it easier to write and add HTML in React.

**Components**

Building blocks of React

Components are independent and reusable bits of code. They serve the same purpose as JavaScript functions, but work in isolation and return HTML.

**Props**

Communication between compontents

React Props are like function arguments in JavaScript *and* attributes in HTML.

Eg :

function Car(props) {

return <h2>I am a { props.brand }!</h2>;

}

**useState**

Allow us to track state in a function components

We initialize our state by calling useState in our function component.

useState accepts an initial state and returns two values:

* The current state.
* A function that updates the state.

Eg:

const[count,setCount] = useState(0)

<button onClick={()=>setCount(count+1)}>Increment</button>