< React Js />
(Gopi M)

React Js

- React Installation
- Link for installation https://nodejs.org/en/
- node --version ,npm –version, npm create-react-app appname
- cd appname ,npm start url like 127.0.0.8000
- open text editor sublime,or Atom, link https://www.sublimetext.com/3
- open sublime go to file select appname folider
- file structures like is
- node_modules, public ,src/app.css,app.js,apptest.js, etc
- if need more files or folider we can , gitignore,
- package-lock.json ,package.json

React Components

1. Components they are two types Functional,Class
 Rule:the component's name must start with an upper case letter.
Components are independent and reusable of code.its returns HTML Elements via
a render function.
function Welcome(props) {
return <h1>Hello, {props.name}</h1>;
}

React Components

- Functional components

A functional component is just a plain JavaScript function which accepts props as an argument and returns a React element

Ex:

Function Welcome(props){

return <h1>Hello World<h1>

Props.name

);

}.

React Components

- Class Components

A class component requires you to extend from React.Component and create a render function which returns a React element.

```
// MyComponent.js
import React, { Component } from 'react';
 class ClassName extends Component {
 render() {
 return (
<div><h1>Hello World</h1>.</div> );
 } } export default ClassName;
```

React Components

- Styling Components Easy to apply css styles

Installing styled-components

npm install --save styled-components

Ex:

const Title = styled.h1`

  font-size: 1.5em;

  text-align: center;

  color: palevioletred;

`

Hello World

React Components

- Inline CSS

  styling sent to the element directly using the HTM <h1 style="color"></h1>
- Normal CSS:

which is applied directly to the particular element h1{ color:blue}
- CSS in JS

jss, jss-preset-default, jss-cli,   const= mybutton{color:blue}
- Styled Components

 import styled, { css } from "styled-components"; const Button = styled.button{color:blue}
- CSS Modules

import style from "./panel.css"; adding css file
- Less   import less @pale-green-color: #4D926F;
- h2 {
-   color: @pale-green-color;}

`

React Components

- Sass & SCSS node-sass

$h1:$font;

$h1:color: #333;

h1{

 font: 100% $font-stack;

color: $primary-color;

}

`Stylable

@namespace "Page";

:import {

< THANK YOU />