React CSS

CSS in React is used to style the React App or Component. The **style** attribute is the most used attribute for styling in React applications, which adds dynamically-computed styles at render time. It accepts a JavaScript object in **camelCased** properties rather than a CSS string. There are many ways available to add styling to your React App or Component with CSS. Here, we are going to discuss mainly **four** ways to style React Components, which are given below:

1. Inline Styling
2. CSS Stylesheet
3. CSS Module
4. Styled Components

npm install react-transition-group --save

1. Inline Styling

import React from 'react';

import ReactDOM from 'react-dom';

class App extends React.Component {

render() {

return (

<div>

<h1 style={{color: "Green"}}>Welcome to RactCSSModule!</h1>

<p>Here, you can find all CS tutorials.</p>

</div>

);

}

}

export default App;

import React from 'react';

import ReactDOM from 'react-dom';

class App extends React.Component {

render() {

return (

<div>

<h1 style={{color: "Red"}}>React CSS!</h1>

<p style={{backgroundColor: "lightgreen"}}>Here, you can find all CS tutorials.</p>

</div>

);

}

}

export default App;

import React from 'react';

import ReactDOM from 'react-dom';

class App extends React.Component {

render() {

const mystyle = {

color: "Green",

backgroundColor: "lightBlue",

padding: "10px",

fontFamily: "Arial"

};

return (

<div>

<h1 style={mystyle}>React CSS</h1>

<p>Here, you can find all CS tutorials.</p>

</div>

);

}

}

export default App;

1. **import** React from 'react';
2. **import** ReactDOM from 'react-dom';
3. **import** './App.css';
5. **class** App **extends** React.Component {
6. render() {
7. **return** (
8. <div>
9. <h1>Welcome to ReactCSS</h1>
10. </div>
11. );
12. }
13. }
14. export **default** App;

App.css

1. body {
2. background-color: #008080;
3. color: yellow;
4. padding: 40px;
5. font-family: Arial;
6. text-align: center;
7. }

## CSS Module

CSS Module is another way of adding styles to your application. It is a **CSS file** where all class names and **animation** names are scoped locally by default. It is available only for the component which imports it, means any styling you add can never be applied to other components without your permission, and you never need to worry about name conflicts. You can create CSS Module with the **.module.css** extension like a **myStyles.module.css** name.

1. **import** React from 'react';
2. **import** ReactDOM from 'react-dom';
3. **import** styles from './myStyles.module.css';
5. **class** App **extends** React.Component {
6. render() {
7. **return** (
8. <div>
9. <h1 className={styles.mystyle}>Hello React CSS </h1>
10. <p className={styles.parastyle}>It provides great CS tutorials.</p>
11. </div>
12. );
13. }
14. }
15. export **default** App;

**myStyles.module.css**

1. .mystyle {
2. background-color: #cdc0b0;
3. color: Red;
4. padding: 10px;
5. font-family: Arial;
6. text-align: center;
7. }
9. .parastyle{
10. color: Green;
11. font-family: Arial;
12. font-size: 35px;
13. text-align: center;
14. }

Styled Components

Styled-components is a **library** for React. It uses enhance CSS for styling React component systems in your application, which is written with a mixture of JavaScript and CSS.

**The styled-components provides:**

* Automatic critical CSS
* No class name bugs
* Easier deletion of CSS
* Simple dynamic styling
* Painless maintenance

### Installation

The styled-components library takes a single command to install in your React application. which is:

1. $ npm install styled-components --save

**Example**

Here, we create a variable by selecting a particular HTML element such as **<div>**, **<Title>**, and **<paragraph>** where we store our style attributes. Now we can use the name of our variable as a wrapper **<Div></Div>** kind of React component.

1. **import** React from 'react';
2. **import** ReactDOM from 'react-dom';
3. **import** styled from 'styled-components';
5. **class** App **extends** React.Component {
6. render() {
7. **const** Div:any = styled.div`
8. margin: 20px;
9. border: 5px dashed green;
10. &:hover {
11. background-color: ${(props:any) => props.hoverColor};
12. }
13. `;
14. **const** Title = styled.h1`
15. font-family: Arial;
16. font-size: 35px;
17. text-align: center;
18. color: palevioletred;
19. `;
20. **const** Paragraph = styled.p`
21. font-size: 25px;
22. text-align: center;
23. background-Color: lightgreen;
24. `;
25. **return** (
26. <div>
27. <Title>Styled Components Example</Title>
28. <p></p>
29. <Div hoverColor="Orange">
30. <Paragraph>Styled paragraph!!</Paragraph>
31. </Div>
32. </div>
33. );
34. }
35. }
36. export **default** App;