

Styling Component/ React with CSS

- Inline Stylesheet
- External Stylesheet
- CSS Module
- CSS in JS

Inline Stylesheet

style is most often used in React applications to add dynamically-computed styles at render time. The *style* attribute accepts a JavaScript object with camelCased properties rather than a CSS string. This is consistent with the DOM style JavaScript property, is more efficient, and prevents XSS security holes.

CSS classes are generally better for performance than inline styles.

styles are not autoprefixed. Vendor prefixes other than ms should begin with a capital letter e.g. WebkitTransition has an uppercase “W”

Ex:-

```
const btnStyle = {
  color: 'blue',
  backgroundColor: 'orange',
};
<button style={btnStyle}>Button</button>;
```

```
btnStyle.color = 'orange'
btnStyle.backgroundColor = 'blue'
```

External Stylesheet

App.css

```
.txt {  
  color: blue;  
}
```

App.js

```
import './App.css';           // This tells Webpack that App.js uses these styles.  
<h1 className="txt">Hello App</h1>
```

Note:-

- Use className not class e.g. className="txt"
- Pass a string as the className prop.
- It is common for CSS classes to depend on the component props or state.
- In production, all CSS files will be concatenated into a single minified .css file in the build output.

CSS Module

CSS Modules let you use the same CSS class name in different files without worrying about naming clashes.

CSS files in which all class names and animation names are scoped locally by default.

CSS Modules allows the scoping of CSS by automatically creating a unique classname of the format [filename]_[classname]__[hash]

Syntax:-

[name].module.css

Ex:-

This feature is available with react-scripts@2.0.0 and higher.

FileName:

App.module.css

```
import styles from “./App.module.css”
```

```
<h1 className={styles.txt}>Hello</h1>;
```

Import CSS Module and Regular CSS

CSS File Names

jai.module.css

veeru.css

Import

import styles from “./jai.module.css”

import “./veeru.css”

CSS in JS

“CSS-in-JS” refers to a pattern where CSS is composed using JavaScript instead of defined in external files. This functionality is not a part of React, but provided by third-party libraries.

- Glamorous
- Styled Component
- Radium
- Emotion