

Cheat Sheet: Introduction to React and Class Components

JSX syntax and Class Component	Description	Code Example
Vue tool	This tool is used to create React projects with the latest version	<pre>npm create vite@latest</pre>
JSX syntax with Fragments	Js allows to include multiple tags within single parent tag only. For this you can include empty tags also known as fragments <>/>	<pre><> <h1>This is a heading tag</h1> </></pre>
JSX syntax with parent tag	Js allows to include multiple tags within single parent tag only. For this you can include tags like div tag	<pre><div> <h1>This is a heading tag</h1> </div></pre>
Class component	A class component extends the Component class with a render method	<pre>import React, { Component } from 'react' export default class Extra extends Component { render() { return (<p> This is class component </p>) } }</pre>
State management in class component	State can be managed using this.state within constructor of class component	<pre>import React, { Component } from 'react' export default class Extra extends Component { constructor() { this.state = { count: 0 } } render() { return (<p> This is paragraph </p>) } }</pre>
Access state of state management within class component	Data can be accessed by including variable name declared within {} and include variable name within these curly braces	<pre>import React, { Component } from 'react' export default class Extra extends Component { constructor() { super(...args) this.state = { count: 0 } } render() { return (<p> The count is {this.state.count} </p>) } }</pre>
Props in class component	Props can be sent from parent component as attribute along with child component	<pre>import React, { Component } from 'react' import ChildComponent from './ChildComponent' export default class App extends Component { constructor() { super(...args) this.state = { title: "Manager" } } render() { return (<Extra title={this.state.title}> </>) } }</pre>
Access props within child class component	Props can be accessed easily within the child class component using this.props.variable_name	<pre>import React, { Component } from 'react' export default class Extra extends Component { constructor(props) { super(...args) this.state = { count: 0 } } render() { return (<p> The count value is {this.props.title} </p>) } }</pre>
Event handling in class component	Events such as click events are handled by defining a function before the render method	<pre>import React, { Component } from 'react' class MyComponent extends Component { handleclick() { alert('Button clicked') } render() { return (<div> <div>Event Handling in Class Component</div> <button onClick={this.handleClick}>Click Me</button> </div>) } } export default MyComponent;</pre>

