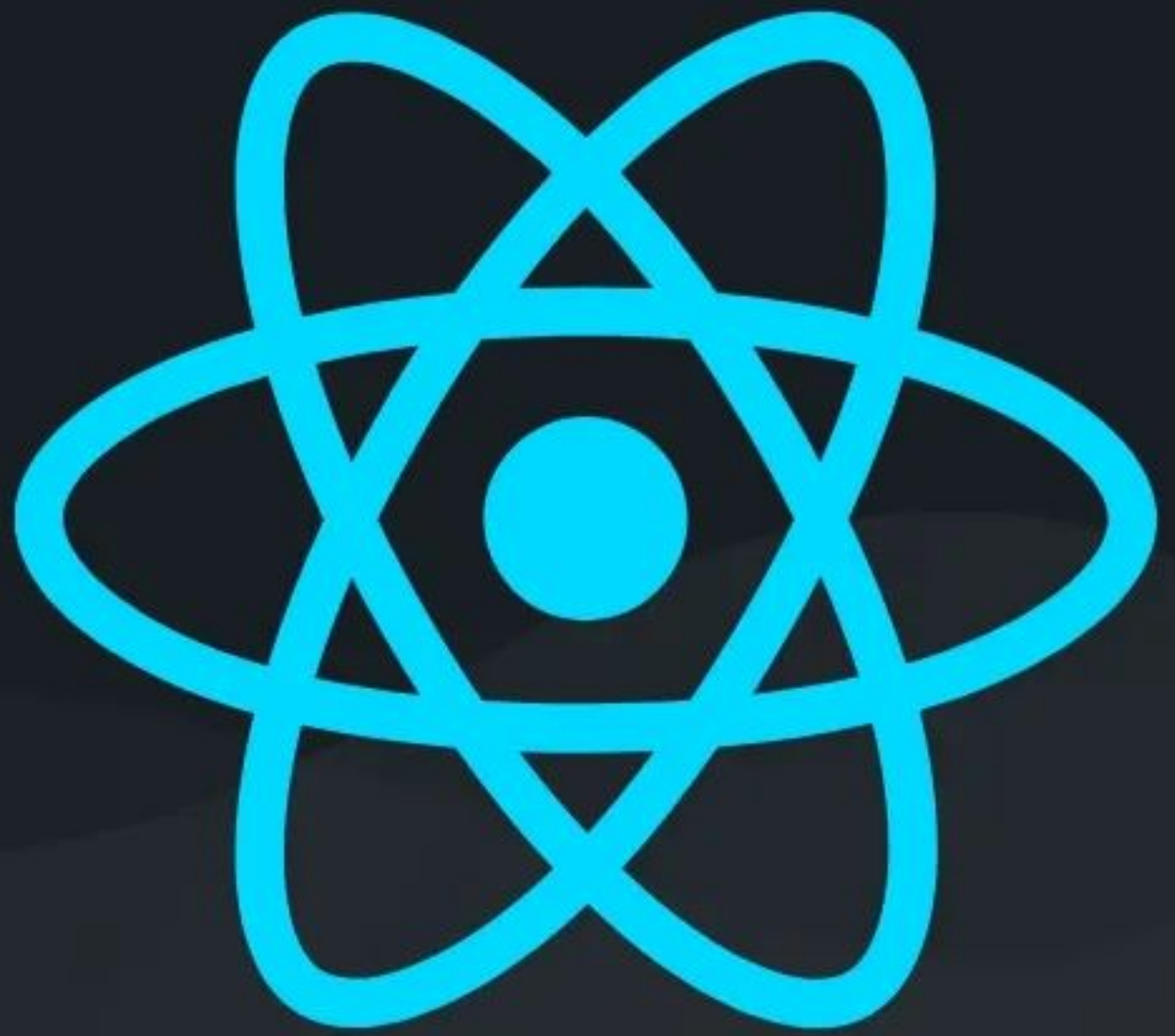


What Is **JSX** In React ?

In Detail



Mallikarjun | @CodeBustler



What is **JSX** ?

JSX (JavaScript XML) is an extension to JavaScript syntax that allows you to write **HTML-like code within your JavaScript** code when working with React.

It provides a **concise and expressive** way to describe the structure and appearance of your user interface.

Swipe For Example



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JSX Example

```
import React from "react";

const App = () => {
  return (
    <div>
      <h1>Hello, JSX!</h1>
      <p>This is a React component.</p>
    </div>
  );
};

export default App;
```

In this example, The code inside the **return** statement looks similar to HTML, but it's actually JSX.

JSX | JS Expression

JSX elements can also include JavaScript **expressions** inside curly braces {}.

This allows you to embed **dynamic values** or execute JavaScript code within JSX.

```
const name = "CodeBustler";  
const greeting = <h1>Hello, {name}!</h1>;
```



important points | JSX

- **Import** React: Begin by importing the React library.
- One root element: JSX expressions must have a **single root element**.
- HTML-like syntax: JSX uses **HTML**-like syntax to define elements and attributes.
- Self-closing tags: Use **self-closing** tags for elements without children.

important points | JSX

- Embed JavaScript expressions within **curly braces** { }.
- Class vs className: Use **className** instead of class for CSS classes.
- Inline styles: Apply inline styles using the style attribute with a **JavaScript object**.
- **Capitalize component** names to differentiate them from HTML elements.

important points | JSX

- JavaScript expressions, not statements: Use JavaScript expressions, **not statements**, inside curly braces.
- Commenting: Place comments **within curly braces**.
- Fragments: Use fragments to **group elements** without adding extra nodes to the DOM.
- Event handling: Define event handlers using **camelCase** naming conventions.

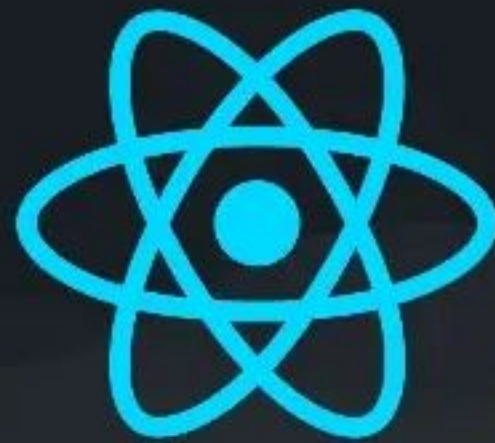
important points | JSX

- Conditional rendering: Use JavaScript **expressions** or **logical operators** for conditional rendering.
- JSX is not HTML: Remember that JSX is **transpiled into JavaScript**, not HTML.
- Keys in lists: Assign **unique "key"** props to items in lists for efficient rendering.

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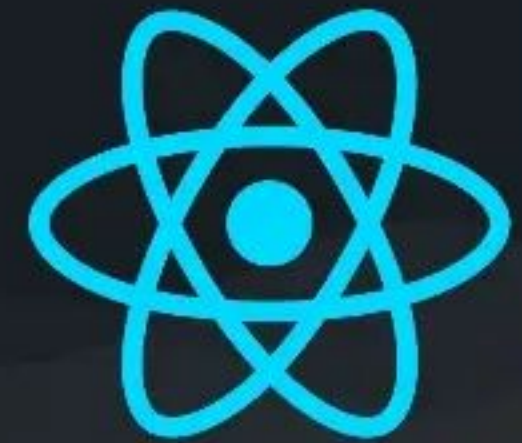


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Components In React JS

In Detail



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