**React.js Components**

A React component is a reusable piece of code that defines part of the UI. It’s more powerful than a regular function because it can manage its own state and lifecycle.

**Key Points:**

* **Reusability**: Components can be used in different parts of an app, like a Header or Footer.
* **Types of Components**:
  + **Functional**: Simple functions that return UI elements.
  + **Class**: Components with their own state and lifecycle methods.
  + **HOC (Higher-Order Component)**: Wraps a component to add extra functionality.
  + **Pure**: Optimized components that avoid unnecessary re-renders.
  + **Controlled/Uncontrolled**: Used in forms; controlled components have their state managed by React, while uncontrolled components manage their own state.