**WEEK-6: 5. REACT JS – HOL**

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* **Understanding the need for styling react component**

When you build a React component (like a button, card, or header), by default it has no visual design—just plain HTML structure. Styling React components lets those elements look attractive, consistent, and interactive. Without styles, your app won’t feel polished or user-friendly. In React’s component-based world, styling helps keep your UI predictable and manageable.

* **Working with CSS Module and inline styles**

1. **CSS Modules**

CSS Modules are special CSS files using the .module.css extension. When you import them into a component:

* Each class name becomes **locally scoped** to that component.
* They generate **unique CSS class names**, so styles don’t clash between components even if names repeat.
* This makes your CSS more maintainable and easier to update without affecting other parts of the app. Great for larger projects.

1. **Inline Styles**

Inline styles let you apply CSS directly as JavaScript objects inside JSX, using the style prop:

* You write styles right inside your component—no separate CSS file needed.
* Great for **dynamic styling** based on state or props (e.g. changing colors or size on the fly).
* But inline styles **cannot use pseudo‐classes** like :hover, media queries, or animations by default.
* Large inline style objects can make your JSX harder to read and may slow down rendering a bit