**1. Why Style React Components?**

Styling improves **usability, readability**, and **brand consistency**. It separates concerns by defining how components *look*, while logic controls how they *behave*.

**2. CSS Modules vs Inline Styles**

| **Style Method** | **CSS Modules** | **Inline Styles** |
| --- | --- | --- |
| Scope | Local to component | Inline to element |
| Syntax | CSS | JavaScript object |
| Supports Pseudo? | Yes | No |
| Dynamic? | No (needs JS for dynamic styling) | Yes (based on JS expressions) |

**🛠️ Hands-On Lab Steps**

**1. Unzip React App**

* Unzip the provided archive to a folder, e.g., CohortDashboard.

**2. Switch to App Folder in Command Prompt**

cd path\to\CohortDashboard

**3. Restore Node Packages**

npm install

**4. Open in Visual Studio Code**

code .

**5. Create CSS Module**

**Path:** src/components/CohortDetails.module.css

.box {

width: 300px;

display: inline-block;

margin: 10px;

padding: 10px 20px;

border: 1px solid black;

border-radius: 10px;

}

/\* Style for <dt> tag \*/

dt {

font-weight: 500;

}

**6. Update CohortDetails Component**

Assuming your component file is:  
**src/components/CohortDetails.js**

Update the file as follows:

import React from 'react';

import styles from './CohortDetails.module.css';

function CohortDetails({ name, status, startDate, endDate }) {

const statusColor = status === "ongoing" ? "green" : "blue";

return (

<div className={styles.box}>

<h3 style={{ color: statusColor }}>{name}</h3>

<dl>

<dt>Status:</dt>

<dd>{status}</dd>

<dt>Start Date:</dt>

<dd>{startDate}</dd>

<dt>End Date:</dt>

<dd>{endDate}</dd>

</dl>

</div>

);

}

export default CohortDetails;

**7. Usage Example in App.js**

If your App.js or parent component displays multiple cohorts:

import React from 'react';

import CohortDetails from './components/CohortDetails';

function App() {

return (

<div>

<CohortDetails

name="React Bootcamp"

status="ongoing"

startDate="2025-06-01"

endDate="2025-08-30"

/>

<CohortDetails

name="Java Fullstack"

status="completed"

startDate="2025-01-01"

endDate="2025-04-30"

/>

</div>

);

}

export default App;

**✅ Final Result**

Each cohort will appear as a styled card:

* **Green title** for ongoing cohorts
* **Blue title** for completed cohorts
* Clean, consistent layout using CSS Module

