ReactJS Hands-On Lab Report – Styling Cohort Dashboard

# Objectives

- Understanding the need for styling React components.  
- Working with CSS Modules and inline styles.

# In this hands-on lab, you will learn how to:

- Style a React component.  
- Define styles using a CSS Module.  
- Apply styles to components using className and inline style properties.

# Prerequisites

- Node.js  
- NPM (Node Package Manager)  
- Visual Studio Code

# Step-by-Step Instructions

1. 1. Unzip the provided React application into a folder.
2. 2. Open Command Prompt and navigate to the project folder.
3. 3. Restore the node packages using the command: npm install
4. 4. Open the application in Visual Studio Code using: code .
5. 5. In the 'src' folder, create a CSS Module named: CohortDetails.module.css
6. 6. Define a class named 'box' in the CSS Module with specified styling.
7. 7. Use the tag selector for <dt> to style font-weight to 500.
8. 8. Open the component file 'CohortDetails.js' and import the CSS Module.
9. 9. Apply the 'box' class to the outer <div> using className.
10. 10. Style the <h3> element using inline styles to reflect cohort status in green or blue.
11. 11. Run the application using: npm start and open http://localhost:3000

## Code: CohortDetails.module.css

.box {  
 width: 300px;  
 display: inline-block;  
 margin: 10px;  
 padding: 10px 20px;  
 border: 1px solid black;  
 border-radius: 10px;  
}  
  
dt {  
 font-weight: 500;  
}

## Code: CohortDetails.js

import React from 'react';  
import styles from './CohortDetails.module.css';  
  
function CohortDetails({ cohort }) {  
 return (  
 <div className={styles.box}>  
 <h3 style={{ color: cohort.status === 'ongoing' ? 'green' : 'blue' }}>  
 {cohort.status}  
 </h3>  
 <dl>  
 <dt>Title</dt>  
 <dd>{cohort.title}</dd>  
  
 <dt>Mentor</dt>  
 <dd>{cohort.mentor}</dd>  
  
 <dt>Start Date</dt>  
 <dd>{cohort.startDate}</dd>  
 </dl>  
 </div>  
 );  
}  
  
export default CohortDetails;

## Code: App.js (Usage Example)

import React from 'react';  
import CohortDetails from './CohortDetails';  
  
function App() {  
 const cohortData = [  
 { title: "Full Stack Web Dev", mentor: "Aditi Sharma", startDate: "22-Feb-2022", status: "ongoing" },  
 { title: "Data Science", mentor: "Rohan Mehta", startDate: "10-Sep-2021", status: "completed" },  
 { title: "React Bootcamp", mentor: "Priya Verma", startDate: "24-Dec-2021", status: "completed" }  
 ];  
  
 return (  
 <div>  
 <h2>Cohorts Details</h2>  
 {cohortData.map((cohort, index) => (  
 <CohortDetails key={index} cohort={cohort} />  
 ))}  
 </div>  
 );  
}  
  
export default App;





