**Objectives**

**Understanding the need for styling react component**

Styling in React is important because it helps make the user interface (UI) look clean, organized, and visually appealing. A well-styled component improves user experience and makes the application easier to understand and use.

In a React app, components are reusable blocks of UI. If they all looked the same without proper styling, the interface would be hard to follow. Styling allows us to highlight important information (like statuses or headings), group related content, and create a layout that’s easy to navigate.

Using styles also helps in maintaining consistency across different parts of the app.

Whether it’s colors, spacing, or fonts, consistent design creates a professional look and feel.

**Working with CSS Module and inline styles**

In React, there are different ways to style components, and two commonly used methods are CSS Modules and inline styles.

1. CSS Modules allow us to write traditional CSS code in a modular way. Each component can have its own CSS file, and the class names are scoped locally. This means the styles defined in one component won’t accidentally affect other components. It’s very useful in large applications where many components are used.
2. Inline styles are styles written directly inside the component inside the component using JavaScript. They are useful when you need to apply styles dynamically – for example, changing the text color based on a certain condition. Inline styles are applied using the style attribute, and the value is written as a JavaScript object.

**My Academy team at Cognizant want to create a dashboard containing the details of ongoing and completed cohorts. A react application is created which displays the detail of the cohorts using react component. You are assigned the task of styling these react components.**

**Codes:**

**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;

}

**Cohort.js:**

class **Cohort** {

    constructor(cohortCode,

        startDate,

        technology,

        trainerName,

        coachName,

        currentStatus) {

        this.cohortCode = cohortCode;

        this.coachName = coachName;

        this.trainerName = trainerName;

        this.technology = technology;

        this.startDate = startDate;

        this.currentStatus = currentStatus;

    }

}

const CohortsData =[

    new **Cohort**('INTADMDF10','22-Feb-2022', '.NET FSD', 'Jojo Jose','Aathma', 'Scheduled'),

    new **Cohort**('ADM21JF014','10-Sep-2021', 'Java FSD', 'Elisa Smith','Apoorv', 'Ongoing'),

    new **Cohort**('CDBJF21025','24-Dec-2021', 'Java FSD', 'John Doe','Aathma', 'Ongoing'),

    new **Cohort**('INTADMJF12','22-Feb-2022', 'Java FSD', 'To Be Assigned','Ibrahim', 'Scheduled'),

    new **Cohort**('CDE22JF011','24-Dec-2021', 'Java FSD', 'Emma Swan','Apoorv', 'Ongoing'),

    new **Cohort**('INTADMDF09','22-Feb-2022', 'Dataware Housing', 'Babjee Rao','Aathma', 'Scheduled'),

    new **Cohort**('ADM22DF001','10-Sep-2021', '.NET FSD', 'Marie Curie','Ibrahim', 'Ongoing'),

];

export {**Cohort**, CohortsData};

**CohortDetails.js:**

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

function **CohortDetails**(props) {

    return (

        <div *className*={styles.box}>

            <h3 *style*={{color:props.cohort.currentStatus==='Ongoing'?'green':'blue'}}>

                {props.cohort.cohortCode} -

                <span>{props.cohort.technology}</span>

            </h3>

            <dl>

                <dt>Started On</dt>

                <dd>{props.cohort.startDate}</dd>

                <dt>Current Status</dt>

                <dd>{props.cohort.currentStatus}</dd>

                <dt>Coach</dt>

                <dd>{props.cohort.coachName}</dd>

                <dt>Trainer</dt>

                <dd>{props.cohort.trainerName}</dd>

            </dl>

        </div>

    );

}

export default **CohortDetails**;

**App.js:**

import './App.css';

import { CohortsData} from './Cohort'

import CohortDetails from './CohortDetails';

function **App**() {

  return (

  <div>

    <h1>Cohorts Details</h1>

    {CohortsData.**map**(cohort => <**CohortDetails** *cohort*={cohort}/>)}

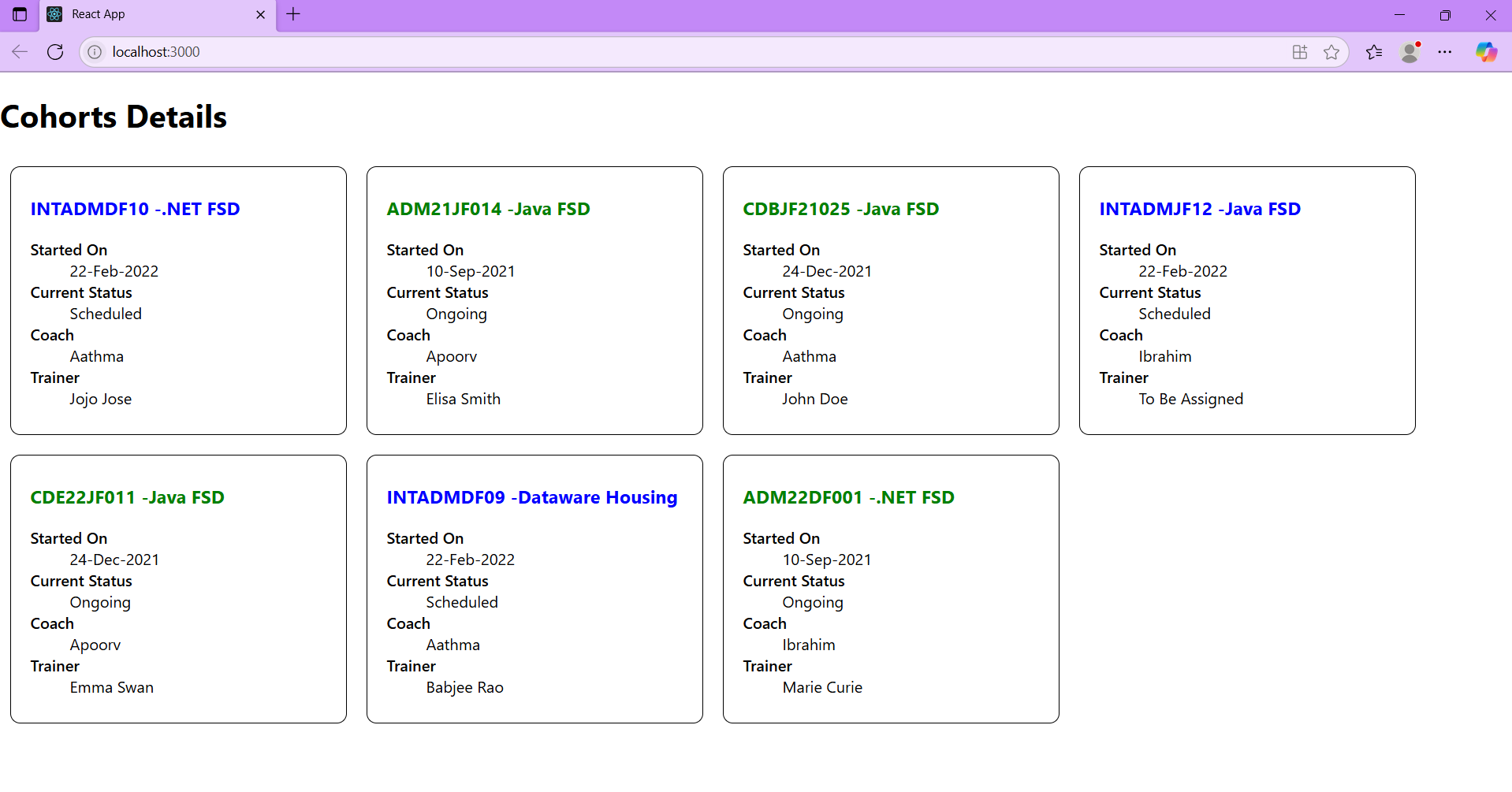
  </div>

  );

}

export default **App**;

**Output:**

****