

5.React-HOL

1. Understanding the need for styling React components

Styling in React is essential to:

- Make the UI visually appealing and consistent
- Improve user experience and brand alignment
- Clearly indicate UI states like active, disabled, errors, etc.
- Separate concerns by organizing layout and visual design separately from logic

2. Working with CSS Module and inline styles

CSS Modules:

- Provide locally scoped CSS
- File extension: .module.css
- Prevent class name conflicts
- Used via import styles from './style.module.css'

Inline Styles:

- Apply CSS directly via style prop in JSX
- Accepts a JavaScript object, not a string
- Example:

```
<div style={{ color: 'blue', fontSize: '18px' }}>Hello</div>
```

HANDS-ON

CODE: CohortDetails.module.css

```
.container {  
  display: flex;  
  justify-content: space-around;  
  flex-wrap: wrap;  
  gap: 20px;  
  margin: 20px;  
}
```

```
.box {  
  width: 300px;  
  display: inline-block;  
  padding: 10px 20px;  
  margin: 10px;
```

```
border: 1px solid black;

border-radius: 10px;

box-shadow: 2px 2px 10px rgba(0,0,0,0.1);

}
```

```
dt {

  font-weight: 500;

}
```

```
h3 {

  margin-bottom: 10px;

}
```

CohortDetails.js

```
import React from 'react';

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

function CohortDetails({ name, startDate, status, coach, trainer }) {

  const headingStyle = {

    color: status.toLowerCase() === 'ongoing' ? 'green' : 'blue'

  };

  return (

    <div className={styles.box}>

      <h3 style={headingStyle}>{name}</h3>

      <dl>

        <dt>Started On</dt>

        <dd>{startDate}</dd>

        <dt>Current Status</dt>

        <dd>{status}</dd>

        <dt>Coach</dt>

        <dd>{coach}</dd>

        <dt>Trainer</dt>

        <dd>{trainer}</dd>

      </dl>

    </div>

  );

}
```

```
</div>
```

```
);
```

```
}
```

```
export default CohortDetails;
```

App.js

```
import React from 'react';
```

```
import CohortDetails from './CohortDetails';
```

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

```
function App() {
```

```
  const cohorts = [
```

```
    {
```

```
      name: 'INTADMDF10 -.NET FSD',
```

```
      startDate: '22-Feb-2022',
```

```
      status: 'Scheduled',
```

```
      coach: 'Aathma',
```

```
      trainer: 'Jojo Jose'
```

```
    },
```

```
    {
```

```
      name: 'ADM21JF014 - Java FSD',
```

```
      startDate: '10-Sep-2021',
```

```
      status: 'Ongoing',
```

```
      coach: 'Apoorv',
```

```
      trainer: 'Elisa Smith'
```

```
    },
```

```
    {
```

```
      name: 'CDBJF21025 - Java FSD',
```

```
      startDate: '24-Dec-2021',
```

```
      status: 'Ongoing',
```

```
      coach: 'Aathma',
```

```
      trainer: 'John Doe'
```

```
    }
```

```
  ];
```

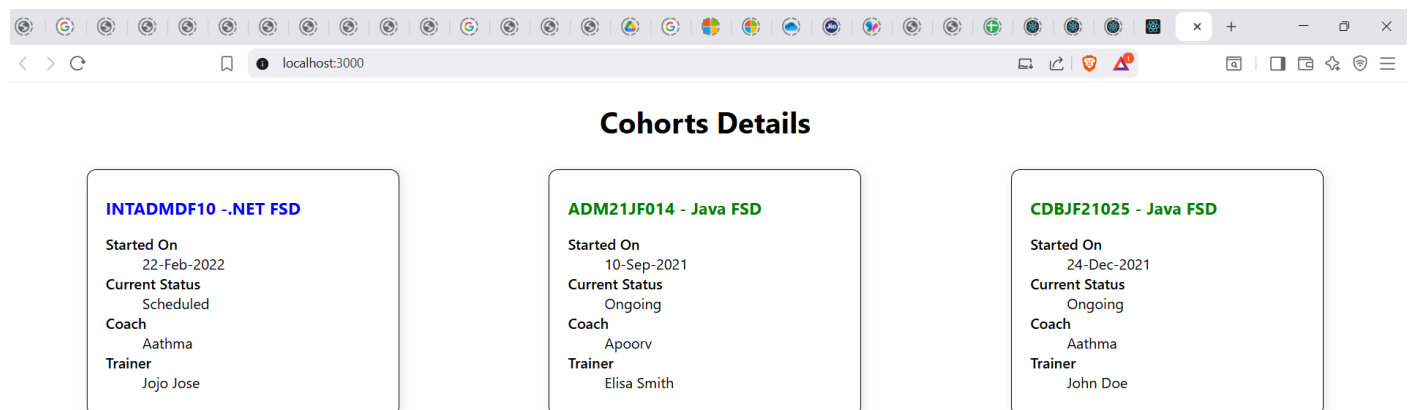
```

return (
  <div>
    <h1 style={{ textAlign: 'center' }}>Cohorts Details</h1>
    <div className={styles.container}>
      {cohorts.map((cohort, index) => (
        <CohortDetails key={index} {...cohort} />
      ))}
    </div>
  </div>
);
}

```

export default App;

OUTPUT



Cohorts Details

Cohort Name	Started On	Current Status	Coach	Trainer
INTADMDF10 -.NET FSD	22-Feb-2022	Scheduled	Aathma	Jojo Jose
ADM21JF014 - Java FSD	10-Sep-2021	Ongoing	Apoorv	Elisa Smith
CDBJF21025 - Java FSD	24-Dec-2021	Ongoing	Aathma	John Doe