

ReactJS HOL13:

Code:

1. App.js:

```
// src/App.js

import React from 'react';

import './App.css';

import { books, blogs, courses } from './data';

import BookDetails from './BookDetails';

import BlogDetails from './BlogDetails';

import CourseDetails from './CourseDetails';

class App extends React.Component {

  constructor(props) {

    super(props);

    this.state = {

      view: 'all' // can be 'all', 'books', 'blogs', or
'courses'

    };

  }

  // Method to update the view state

  setView = (newView) => {

    this.setState({ view: newView });

  }

}
```

```

    }

    // Helper method to demonstrate IF/ELSE conditional
    rendering

    renderContent() {

        const { view } = this.state;

        if (view === 'books') {

            return <div className="component-wrapper"><BookDetails
items={books} /></div>;

        } else if (view === 'blogs') {

            return <div className="component-wrapper"><BlogDetails
items={blogs} /></div>;

        } else if (view === 'courses') {

            return <div className="component-wrapper"><CourseDetails
items={courses} /></div>;

        } else {

            // Default case: render all components

            return (

                <>

                    <div className="component-wrapper"><CourseDetails
items={courses} /></div>

                    <div className="component-wrapper"><BookDetails
items={books} /></div>

                    <div className="component-wrapper"><BlogDetails
items={blogs} /></div>

```

```

        </>

        );

    }

}

render() {

    const { view } = this.state;

    return (

        <div className="App">

            <h1>Blogger App</h1>

            <div className="controls">

                <button onClick={() => this.setView('all')}>Show
All</button>

                <button onClick={() => this.setView('books')}>Show
Books Only</button>

                <button onClick={() => this.setView('blogs')}>Show
Blogs Only</button>

                <button onClick={() => this.setView('courses')}>Show
Courses Only</button>

            </div>

            { /* Example of Ternary Operator */ }

            <h2>

```

```

        {view === 'all' ? 'Displaying All Details' :
`Displaying ${view} Details`}

    </h2>

    {/* Example of Logical && Operator */}

    {view !== 'all' && <p>Click "Show All" to see all
sections again.</p>}

    <div className="container">

        {this.renderContent()}

    </div>

</div>

);

}

}

export default App;

```

2. [CourseDetails.js](#) :

```

// src/CourseDetails.js
import React from 'react';

function CourseDetails({ items }) {
    return (
        <div>
            <h2>Course Details</h2>

```

```

        {items.map(course => (
          <div key={course.id}>
            <h3>{course.name}</h3>
            <p>{course.date}</p>
          </div>
        ))}
      </div>
    );
  }
}

export default CourseDetails;

```

3. BookDetails.js :

```

// src/BookDetails.js
import React from 'react';

function BookDetails({ items }) {
  return (
    <div>
      <h2>Book Details</h2>
      {items.map(book => (
        <div key={book.id}>
          <h3>{book.bname}</h3>
          <h4>{book.price}</h4>
        </div>
      ))}
    </div>
  );
}

export default BookDetails;

```

4. BlogDetails.js :

```

// src/BlogDetails.js
import React from 'react';

```

```
function BlogDetails({ items }) {
  return (
    <div>
      <h2>Blog Details</h2>
      {items.map(blog => (
        <div key={blog.id}>
          <h3>{blog.title}</h3>
          <p><strong>{blog.author}</strong></p>
          <p>{blog.content}</p>
        </div>
      ))}
    </div>
  );
}

export default BlogDetails;
```

Output:

Blogger App

Show All
Show Books Only
Show Blogs Only
Show Courses Only

Displaying All Details

Course Details	Book Details	Blog Details
Angular 4/5/2021 React 6/3/20201	Master React 670 Deep Dive into Angular 11 800 Mongo Essentials 450	React Learning Stephen Biz Welcome to learning React! Installation Schewzdenier You can install React from npm.

Blogger App

[Show All](#)[Show Books Only](#)[Show Blogs Only](#)[Show Courses Only](#)

Displaying books Details

Click "Show All" to see all sections again.

Book Details

Master React

670

Deep Dive into Angular 11

800

Mongo Essentials

450

Blogger App

[Show All](#)[Show Books Only](#)[Show Blogs Only](#)[Show Courses Only](#)

Displaying blogs Details

Click "Show All" to see all sections again.

Blog Details

React Learning

Stephen Biz

Welcome to learning React!

Installation

Schewzdenier

You can install React from npm.

Blogger App

[Show All](#)[Show Books Only](#)[Show Blogs Only](#)[Show Courses Only](#)

Displaying courses Details

Click "Show All" to see all sections again.

Course Details

Angular

4/5/2021

React

6/3/20201