REACT:

13.React-HOL

Create a React App named “bloggerapp” in with 3 components.

CourseDetails.js

import React from 'react';

function CourseDetails({ courses }) {

return (

<div>

<h2>Course Details</h2>

<ul>

{courses.map(course => (

<li key={course.id}>

{course.name} - Duration: {course.duration}

</li>

))}

</ul>

</div>

);

}

export default CourseDetails;

BlogDetails.js:

import React from 'react';

function BlogDetails({ blogs }) {

return (

<div>

<h2>Blog Details</h2>

<ul>

{blogs.map(blog => (

<li key={blog.id}>

{blog.title} - {blog.category}

</li>

))}

</ul>

</div>

);

}

export default BlogDetails;

App.js:

import React, { Component } from 'react';

import BookDetails from './components/BookDetails';

import BlogDetails from './components/BlogDetails';

import CourseDetails from './components/CourseDetails';

import './App.css';

class App extends Component {

constructor(props) {

super(props);

this.state = {

currentView: 'books', // Default view

books: [

{ id: 1, title: 'React Basics', author: 'Dan Abramov' },

{ id: 2, title: 'Learning JavaScript', author: 'Kyle Simpson' }

],

blogs: [

{ id: 1, title: 'React Conditional Rendering', category: 'React' },

{ id: 2, title: 'Understanding Virtual DOM', category: 'Web Dev' }

],

courses: [

{ id: 1, name: 'React Complete Guide', duration: '30 hrs' },

{ id: 2, name: 'JavaScript Deep Dive', duration: '40 hrs' }

]

};

}

// Toggle views dynamically

changeView = (view) => {

this.setState({ currentView: view });

};

render() {

let content; // Element Variable for Conditional Rendering

// Conditional Rendering via if-else

if (this.state.currentView === 'books') {

content = <BookDetails books={this.state.books} />;

} else if (this.state.currentView === 'blogs') {

content = <BlogDetails blogs={this.state.blogs} />;

} else if (this.state.currentView === 'courses') {

content = <CourseDetails courses={this.state.courses} />;

}

return (

<div className="App">

<h1>Blogger App - Conditional Rendering</h1>

{/\* Conditional Rendering using Ternary Operator \*/}

{this.state.currentView !== 'books' ? (

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

) : (

<button disabled>Books Visible</button>

)}

{this.state.currentView !== 'blogs' && (

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

)}

{this.state.currentView !== 'courses' && (

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

)}

<hr />

{/\* Render the selected content \*/}

{content}

<br />

{/\* Conditional Rendering to Prevent Component Rendering \*/}

{this.state.currentView === 'courses' && (

<p>Exclusive: Enroll now to get 20% Discount!</p>

)}

</div>

);

}

}

export default App;

Output:







