**13. ReactJS-HOL**

**BookDetails.js**

import React from 'react';

function BookDetails() {

const books = [

{ id: 1, title: "Learning React", author: "Alex Banks" },

{ id: 2, title: "JavaScript: The Good Parts", author: "Douglas Crockford" },

{ id: 3, title: "Eloquent JavaScript", author: "Marijn Haverbeke" }

];

const handleClick = (bookTitle) => {

alert(`You clicked on: ${bookTitle}`);

};

return (

<div>

<h2>Book Details</h2>

<ul>

{books.map(book => (

<li key={book.id}>

{book.title} - {book.author}

{/\* Safe clickable button instead of javascript: \*/}

<button

onClick={() => handleClick(book.title)}

style={{ marginLeft: '10px' }}

>

View Book

</button>

</li>

))}

</ul>

</div>

);

}

export default BookDetails;

**BlogDetails.js**

import React from 'react';

function BlogDetails() {

const blogs = [

{ id: 1, title: "React Hooks Deep Dive", author: "John Doe" },

{ id: 2, title: "State Management in React", author: "Jane Smith" },

];

return (

<div>

<h2>Blog Details</h2>

{blogs.length === 0 ? (

<p>No blogs available</p>

) : (

<ul>

{blogs.map(blog => (

<li key={blog.id}>

{blog.title} - {blog.author}

</li>

))}

</ul>

)}

</div>

);

}

export default BlogDetails;

**CourseDetails.js**

import React from 'react';

function CourseDetails() {

const courses = [

{ id: 1, name: "React Fundamentals", duration: "3 Weeks" },

{ id: 2, name: "Advanced JavaScript", duration: "4 Weeks" },

{ id: 3, name: "Full Stack Development", duration: "8 Weeks" }

];

return (

<div>

<h2>Course Details</h2>

<ul>

{courses.map(course => (

<li key={course.id}>

{course.name} ({course.duration})

</li>

))}

</ul>

</div>

);

}

export default CourseDetails;

**App.js**

import React, { Component } from 'react';

import BookDetails from './BookDetails';

import BlogDetails from './BlogDetails';

import CourseDetails from './CourseDetails';

import './App.css';

class App extends Component {

constructor(props) {

super(props);

this.state = {

showBooks: true,

showBlogs: false,

showCourses: true,

};

}

render() {

// Element variable example for conditional rendering

let blogSection;

if (this.state.showBlogs) {

blogSection = <BlogDetails />;

} else {

blogSection = <p>Blog section is hidden.</p>;

}

return (

<div style={{ textAlign: 'center', fontFamily: 'Arial', marginTop: '30px' }}>

<h1>Blogger App</h1>

{/\* if/else handled with element variable \*/}

{blogSection}

{/\* Ternary operator \*/}

{this.state.showBooks ? <BookDetails /> : <p>Book section hidden</p>}

{/\* Short-circuit operator \*/}

{this.state.showCourses && <CourseDetails />}

</div>

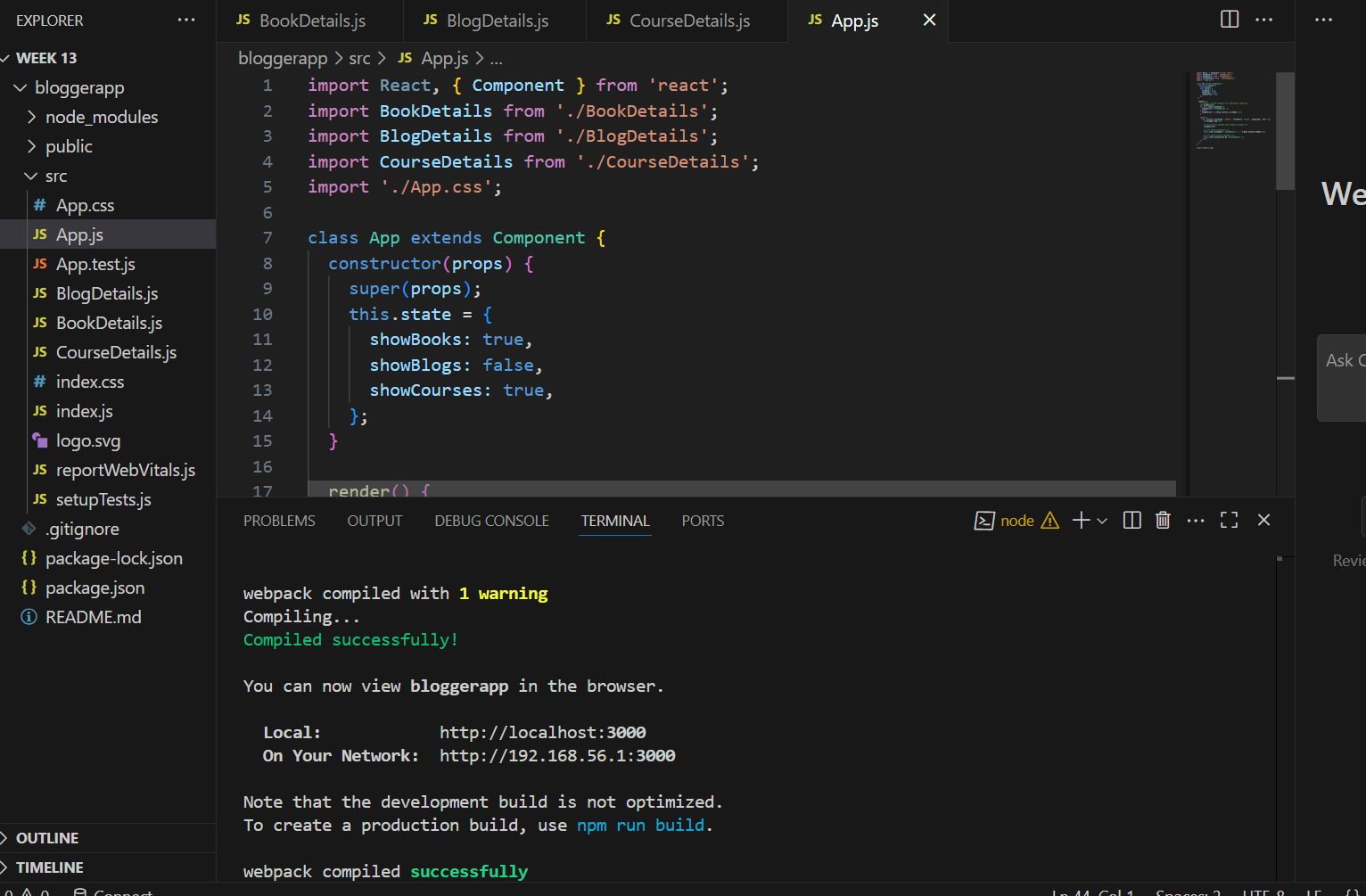
);

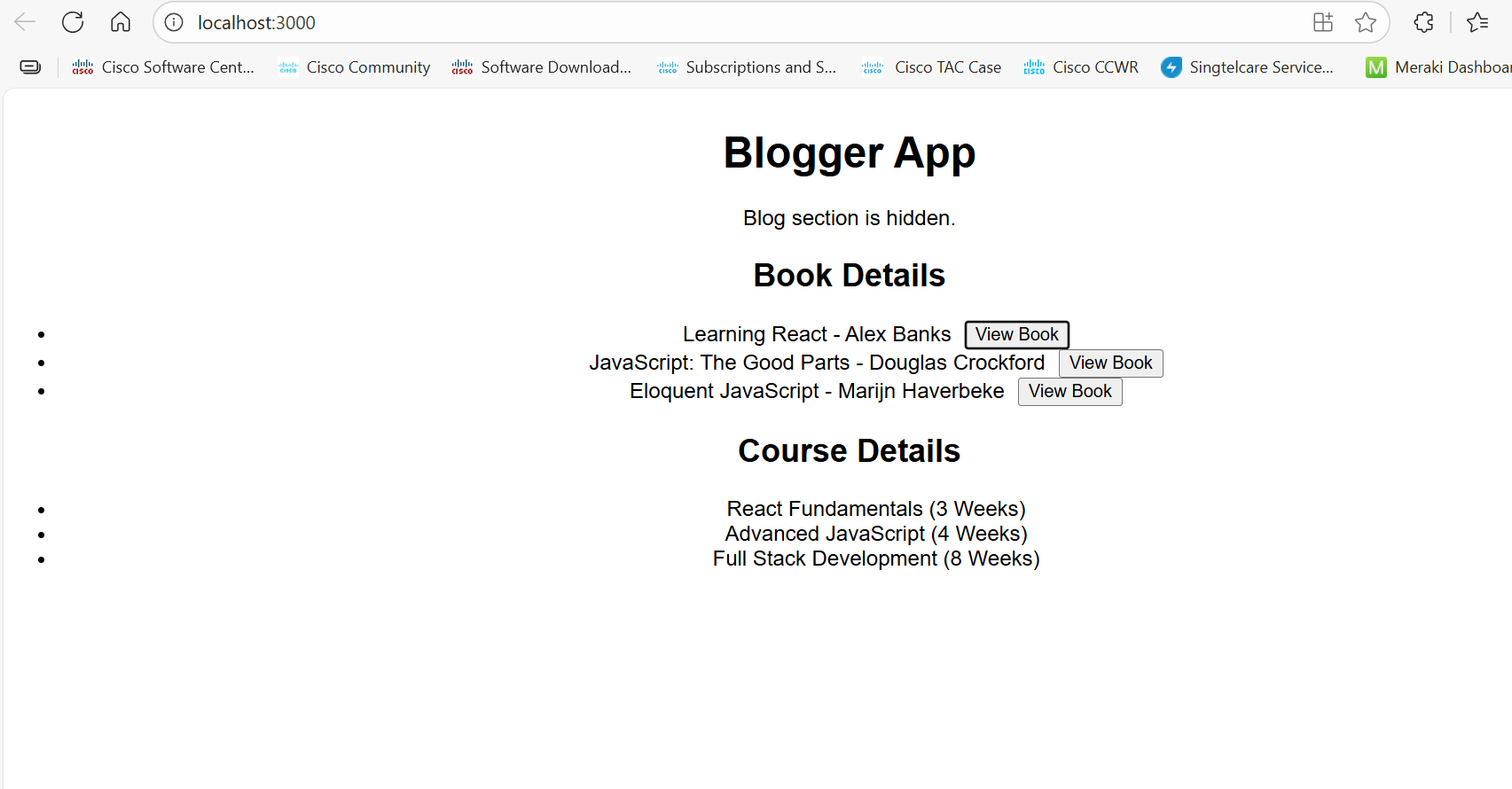
}

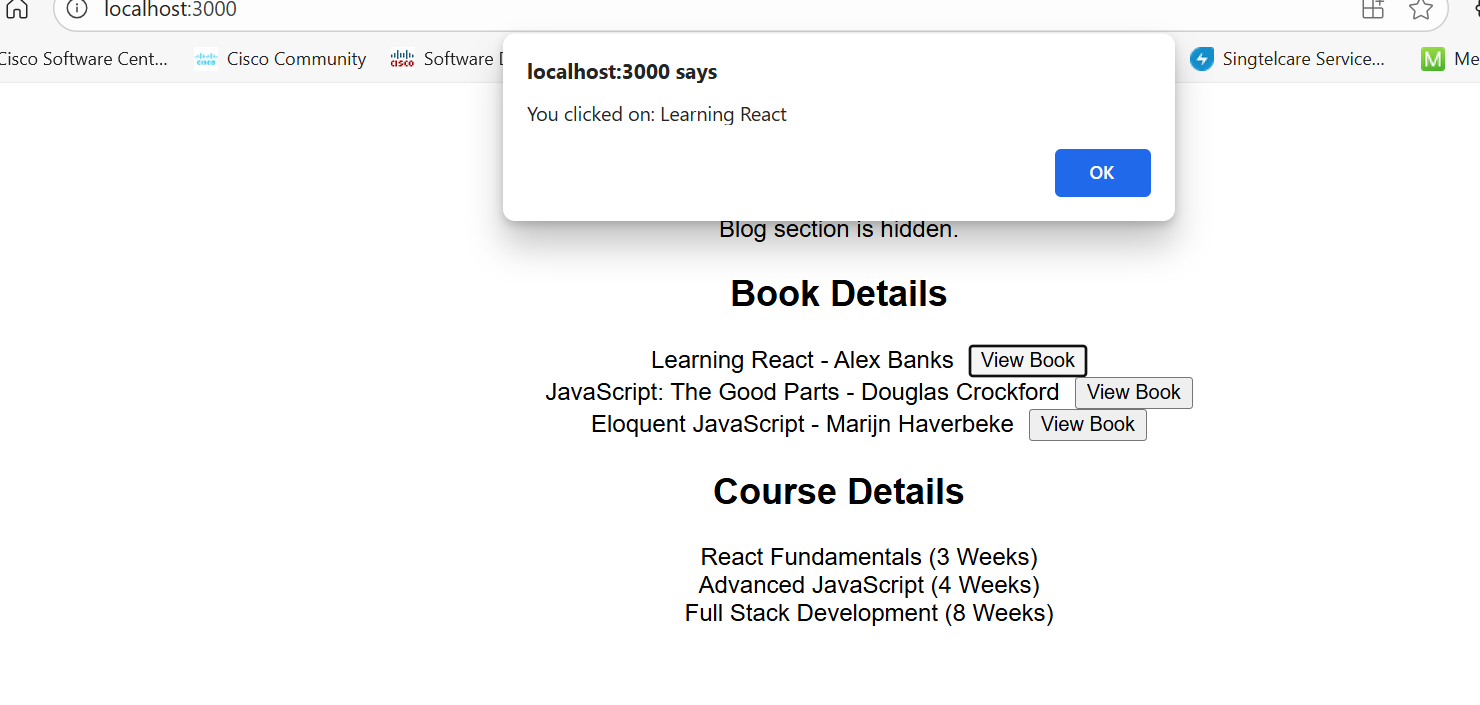
}

export default App;

**Output:**

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