**WEEK-7**

**SINGLE PAGE APPLICATION FRAMEWORK-REACT**

**Superset ID: 6407550**

**13.ReactJS HOL**

**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() {

super();

this.state = {

view: 'book' // Default component

};

}

// Conditional rendering based on button click

renderContentUsingIfElse() {

if (this.state.view === 'book') {

return <BookDetails />;

} else if (this.state.view === 'blog') {

return <BlogDetails />;

} else if (this.state.view === 'course') {

return <CourseDetails />;

} else {

return <p>Select a category</p>;

}

}

render() {

const { view } = this.state;

return (

<div className="container">

<h1>Blogger App 📘</h1>

{/\* Buttons to change state \*/}

<div className="btn-group">

<button className="btn" onClick={() => this.setState({ view: 'book' })}>Book Details</button>

<button className="btn" onClick={() => this.setState({ view: 'blog' })}>Blog Details</button>

<button className="btn" onClick={() => this.setState({ view: 'course' })}>Course Details</button>

</div>

{/\* Rendering using if-else \*/}

<div className="section">

{this.renderContentUsingIfElse()}

</div>

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

<div className="section">

<h2>Render using Ternary:</h2>

{view === 'book' ? <BookDetails /> :

view === 'blog' ? <BlogDetails /> :

view === 'course' ? <CourseDetails /> :

<p>Please select a category</p>}

</div>

{/\* Logical && operator \*/}

<div className="section">

<h2>Render using &&:</h2>

{view === 'book' && <BookDetails />}

{view === 'blog' && <BlogDetails />}

{view === 'course' && <CourseDetails />}

</div>

</div>

);

}

}

export default App;

**BookDetails.js**

import React from 'react';

const BookDetails = () => {

const books = [

{ id: 1, title: "Atomic Habits", author: "James Clear" },

{ id: 2, title: "Deep Work", author: "Cal Newport" }

];

return (

<div>

<h3>📚 Book List</h3>

<ul>

{books.map((book) => (

<li key={book.id}>{book.title} by <i>{book.author}</i></li>

))}

</ul>

</div>

);

};

export default BookDetails;

**BlogDetails.js**

import React from 'react';

const BlogDetails = () => {

const blogs = [

{ id: 1, title: "Learning React", author: "Gayathri Priya" },

{ id: 2, title: "Web Development Trends 2025", author: "Sanjay Kumar" }

];

return (

<div>

<h3>📝 Blogs</h3>

<ul>

{blogs.map((blog) => (

<li key={blog.id}>{blog.title} by <i>{blog.author}</i></li>

))}

</ul>

</div>

);

};

export default BlogDetails;

**CourseDetails.js**

import React from 'react';

const CourseDetails = () => {

const courses = [

{ id: 1, name: "Full Stack Development" },

{ id: 2, name: "Data Structures & Algorithms" }

];

return (

<div>

<h3>🎓 Courses</h3>

<ul>

{courses.map(course => (

<li key={course.id}>{course.name}</li>

))}

</ul>

</div>

);

};

export default CourseDetails;

**App.css**

.container {

text-align: center;

font-family: sans-serif;

padding: 20px;

background-color: #f5f7fa;

}

h1 {

color: #34495e;

}

.section {

margin: 20px auto;

padding: 15px;

width: 80%;

background: #fff;

border-radius: 10px;

box-shadow: 0 0 5px rgba(0,0,0,0.1);

}

.btn-group {

margin: 20px 0;

}

.btn {

margin: 5px;

padding: 10px 15px;

background-color: #2ecc71;

color: white;

border: none;

border-radius: 6px;

cursor: pointer;

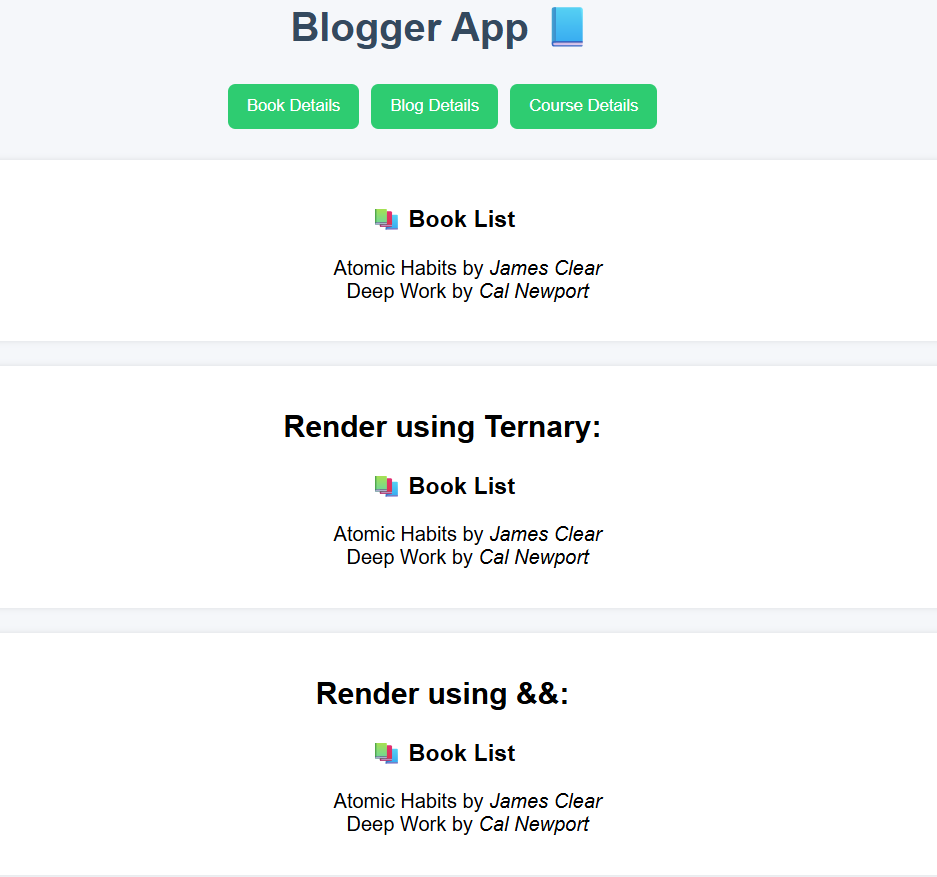
}

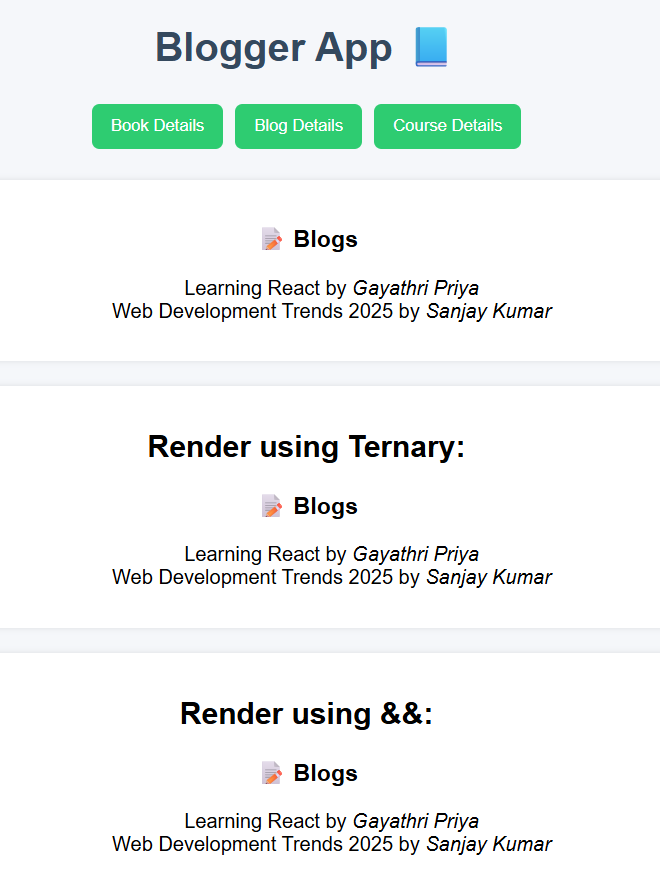
.btn:hover {

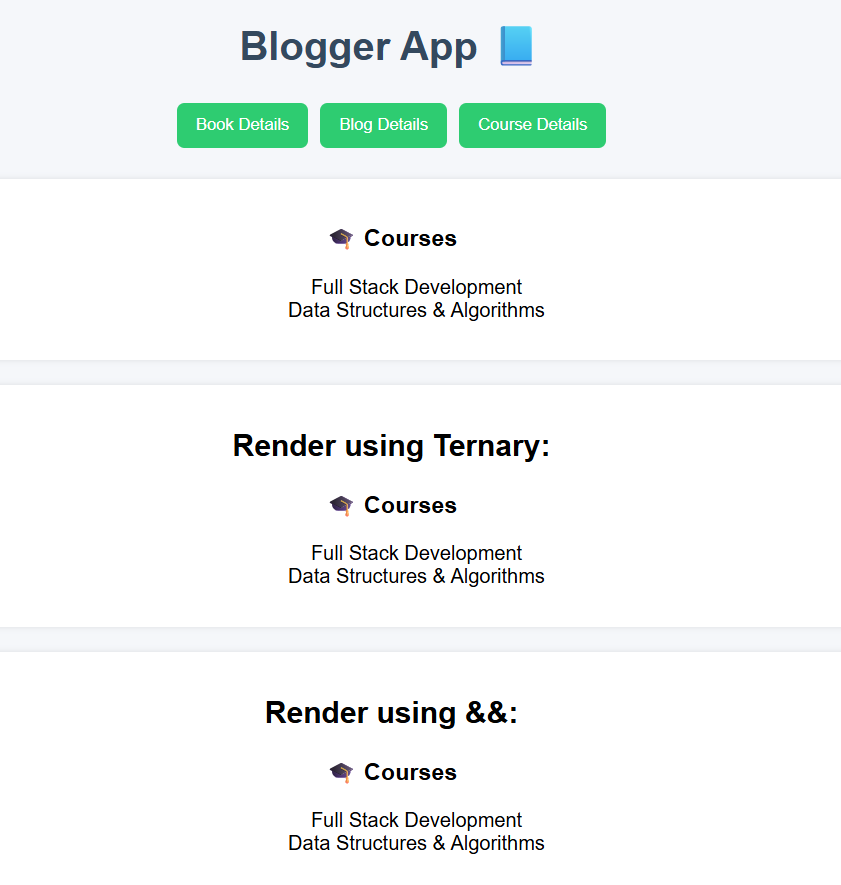
background-color: #27ae60;

}

**OUTPUT:**

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