**Week 7\_React 13\_HandsOn**

**13. ReactJS-HOL**

**App.js**

import React from 'react';

import './App.css';

// Data arrays

const books = [

  { id: 101, bname: 'Master React', price: 670 },

  { id: 102, bname: 'Deep Dive into Angular 11', price: 800 },

  { id: 103, bname: 'Mongo Essentials', price: 450 }

];

const blogs = [

  {

    id: 1,

    title: "React Learning",

    author: "Stephen Biz",

    content: "Welcome to learning React!"

  },

  {

    id: 2,

    title: "Installation",

    author: "Schewzdenier",

    content: "You can install React from npm."

  }

];

const courses = [

  { id: 1, name: "Angular", date: "4/5/2021" },

  { id: 2, name: "React", date: "6/3/2021" }

];

// If-Else Conditional Rendering for Courses

function ShowCourses({ isVisible }) {

  if (isVisible) {

    return (

      <div className="column mystyle1">

        <h1>Course Details</h1>

        {courses.map(course => (

          <div key={course.id}>

            <h3>{course.name}</h3>

            <p>{course.date}</p>

          </div>

        ))}

      </div>

    );

  }

  return null;

}

// Ternary Operator Rendering for Books

const BookDetails = ({ show }) => (

  <div className="column st2">

    <h1>Book Details</h1>

    {

      show ?

        books.map(book => (

          <div key={book.id}>

            <h3>{book.bname}</h3>

            <h4>{book.price}</h4>

          </div>

        ))

        : <p>No books to show</p>

    }

  </div>

);

// Logical && Rendering for Blogs

const BlogDetails = ({ show }) => (

  show &&

  <div className="column v1">

    <h1>Blog Details</h1>

    {

      blogs.map(blog => (

        <div key={blog.id}>

          <h2>{blog.title}</h2>

          <h4>{blog.author}</h4>

          <p>{blog.content}</p>

        </div>

      ))

    }

  </div>

);

// Switch-like Rendering Controller

function RenderComponent({ type }) {

  switch (type) {

    case 'book':

      return <BookDetails show={true} />;

    case 'blog':

      return <BlogDetails show={true} />;

    case 'course':

      return <ShowCourses isVisible={true} />;

    default:

      return <p>Please select a valid section</p>;

  }

}

// App Component

function App() {

  return (

    <div className="app-container">

      {/\* Individual components rendered with conditional methods \*/}

      <ShowCourses isVisible={true} />

      <BookDetails show={true} />

      <BlogDetails show={true} />

      {/\* Or render one of them using RenderComponent \*/}

      {/\* <RenderComponent type="course" /> \*/}

    </div>

  );

}

export default App;

**OUTPUT:**

