**WEEK – 7 Assignments**

**React**

**Mandatory hands-on :-**

**13. ReactJS-HOL :**

**Objective :**

In this hands-on lab, you will learn how to:

· Implement conditional rendering in React applications.

**Code :**

[**App.js**](http://app.js) **:**

| **import React, { useState } from "react"; import { books, courseDetails, blogDetails } from "./data"; import BookDetails from "./components/BookDetails"; import BlogDetails from "./components/BlogDetails"; import CourseDetails from "./components/CourseDetails"; import "./App.css";  function App() {  const [showCourses, setShowCourses] = useState(true);  const [showBooks, setShowBooks] = useState(true);  const [showBlogs, setShowBlogs] = useState(true);   return (  <div>  {/\* Toggle buttons for conditional rendering \*/}  <div className="toggle-bar">  <button onClick={() => setShowCourses(!showCourses)}>  Toggle Courses  </button>  <button onClick={() => setShowBooks(!showBooks)}>Toggle Books</button>  <button onClick={() => setShowBlogs(!showBlogs)}>Toggle Blogs</button>  </div>   {/\* Main Content \*/}  <div className="container">  <div className="column">  <CourseDetails courses={courseDetails} show={showCourses} />  </div>  <div className="column border">  <BookDetails books={books} show={showBooks} />  </div>  <div className="column border">  <BlogDetails blogs={blogDetails} show={showBlogs} />  </div>  </div>  </div>  ); }  export default App;** |
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**App.css :**

| .container {  display: flex;  justify-content: space-around;  align-items: flex-start;  margin-top: 48px; }  .column {  flex: 1;  padding: 24px; }  .border {  border-left: 4px solid green; }  .toggle-bar {  margin-top: 20px;  margin-bottom: 20px;  text-align: center; }  h2 {  font-size: 2em;  margin-bottom: 10px; }  h3 {  margin-bottom: 3px; }  strong {  display: block;  margin-bottom: 3px; } |
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[**BlogDetails.js**](http://blogdetails.js) **:**

| import React from "react";  function BlogDetails({ blogs, show }) {  if (!show) return null;  return (  <**div**>  <**h2**>Blog Details</**h2**>  {blogs.map((blog) => (  <**div** key={blog.id} style={{ marginBottom: 15 }}>  <**h3**>{blog.title}</**h3**>  <**strong**>{blog.author}</**strong**>  <**p**>{blog.content}</**p**>  </**div**>  ))}  </**div**>  ); }  export default BlogDetails; |
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[**BookDetails.js**](http://bookdetails.js) **:**

| import React from "react";  function BookDetails({ books, show }) {  return (  <**div**>  {show ? (  <>  <**h2**>Book Details</**h2**>  {books.length > 0 ? (  books.map((book) => (  <**div** key={book.id}>  <**h4**>{book.bname}</**h4**>  <**p**>{book.price}</**p**>  </**div**>  ))  ) : (  <**p**>No books available.</**p**>  )}  </>  ) : null}  </**div**>  ); }  export default BookDetails; |
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[**CourseDetails.js**](http://coursedetails.js) **:**

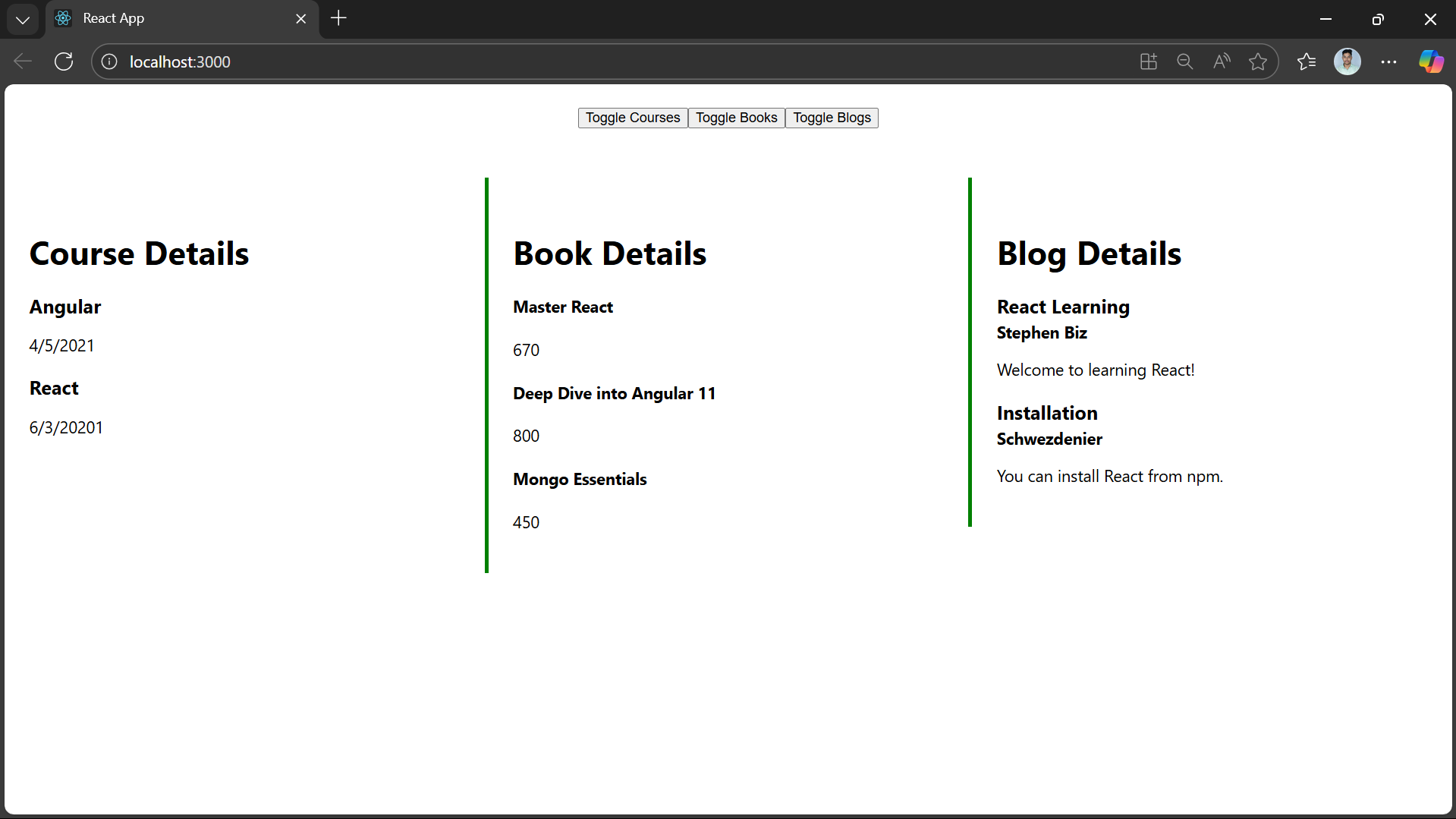
| import React from "react";  function CourseDetails({ courses, show }) {  return (  show &&  <**div**>  <**h2**>Course Details</**h2**>  {courses.map(course =>  <**div** key={course.id}>  <**h3**>{course.name}</**h3**>  <**p**>{course.date}</**p**>  </**div**>  )}  </**div**>  ); }  export default CourseDetails; |
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[**Data.js**](http://data.js) **:**

| export 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 }, ];  export const courseDetails = [  { id: 1, name: "Angular", date: "04/08/2025" },  { id: 2, name: "React", date: "03/08/2025" }, ];  export const blogDetails = [  {  id: 1,  title: "React Learning",  author: "Stephen Biz",  content: "Welcome to learning React!",  },  {  id: 2,  title: "Installation",  author: "Schwezdenier",  content: "You can install React from npm.",  }, ]; |
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**OUTPUT :**

**Localhost:3000 :**

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