## **Objectives**

* Explain various ways of conditional rendering
* Explain how to render multiple components
* Define list component
* Explain about keys in React applications
* Explain how to extract components with keys
* Explain React Map, map() function

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

* Implement conditional rendering in React applications

## **Prerequisites**

The following is required to complete this hands-on lab:

* Node.js
* NPM
* Visual Studio Code

## **Notes**

Estimated time to complete this lab: **60 minutes.**

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

1. Book Details
2. Blog Details
3. Course Details

Implement this with as many ways possible of Conditional Rendering.

**Code:**

import React, { useState } from 'react';

import './App.css';

import BookDetails from './BookDetails';

import BlogDetails from './BlogDetails';

import CourseDetails from './CourseDetails';

import { books } from './data';

function App() {

  const [showBook, setShowBook] = useState(true);

  const [showBlog, setShowBlog] = useState(true);

  const [showCourse, setShowCourse] = useState(true);

  return (

    <div className="App">

      <h1>Conditional Rendering Example</h1>

      <button onClick={() => setShowBook(!showBook)}>

        Toggle Book Details

      </button>

      <button onClick={() => setShowBlog(!showBlog)}>

        Toggle Blog Details

      </button>

      <button onClick={() => setShowCourse(!showCourse)}>

        Toggle Course Details

      </button>

      <div className="container">

        {showCourse && (

          <div className="course-section">

            <h1>Course Details</h1>

            <CourseDetails />

          </div>

        )}

        {showBook ? (

          <div className="book-section">

            <h1>Book Details</h1>

            <BookDetails books={books} />

          </div>

        ) : null}

        {showBlog && (

          <div className="blog-section">

            <h1>Blog Details</h1>

            <BlogDetails />

          </div>

        )}

      </div>

    </div>

  );

}

export default App;

import React from 'react';

const BlogDetails = () => {

  return (

    <div>

      <h2>React Learning</h2>

      <p><strong>Stephen Biz</strong></p>

      <p>Welcome to learning React!</p>

      <h2>Installation</h2>

      <p><strong>Schwezdenier</strong></p>

      <p>You can install React from npm.</p>

    </div>

  );

};

export default BlogDetails;

import React from 'react';

const BookDetails = (props) => {

  return (

    <ul>

      {props.books.map((book) => (

        <div key={book.id}>

          <h3>{book.bname}</h3>

          <h4>{book.price}</h4>

        </div>

      ))}

    </ul>

  );

};

export default BookDetails;

import React from 'react';

const CourseDetails = () => {

  return (

    <div>

      <h2>Angular</h2>

      <p>4/5/2021</p>

      <h2>React</h2>

      <p>6/3/20201</p>

    </div>

  );

};

export default CourseDetails;

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 }

];

.App {

  text-align: center;

  padding: 20px;

}

.container {

  display: flex;

  justify-content: space-around;

  margin-top: 20px;

  border-top: 2px solid green;

  padding-top: 20px;

}

.course-section,

.book-section,

.blog-section {

  width: 30%;

  border-left: 2px solid green;

  padding-left: 10px;

  text-align: left;

}



