**REACT**

**13. ReactJS-HOL**

**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:  
BookDetails.js**

**import** React **from** 'react';

**function** BookDetails() {

**return** (

    <div>

      <h3>📘 Book: The Pragmatic Programmer</h3>

      <p>Author: Andrew Hunt & David Thomas</p>

    </div>

  );

}

**export** **default** BookDetails;

**BlogDetails.js  
import** React **from** 'react';

**function** BlogDetails() {

**return** (

    <div>

      <h3>📝 Blog: Clean Code Best Practices</h3>

      <p>By: Aathithiyaa Vijayakumar</p>

    </div>

  );

}

**export** **default** BlogDetails;

**CourseDetails.js  
  
import** React **from** 'react';

**function** CourseDetails() {

**return** (

    <div>

      <h3>🎓 Course: Full Stack Web Development</h3>

      <p>Platform: Coursera</p>

    </div>

  );

}

**export** **default** CourseDetails;

**App.js  
  
import** React, { useState } **from** 'react';

**import** BookDetails **from** './components/BookDetails';

**import** BlogDetails **from** './components/BlogDetails';

**import** CourseDetails **from** './components/CourseDetails';

**function** App() {

**const** [active, setActive] **=** useState('book'); *// book | blog | course*

**const** renderComponent **=** () **=>** {

**switch** (active) {

**case** 'book':

**return** <BookDetails />;

**case** 'blog':

**return** <BlogDetails />;

**case** 'course':

**return** <CourseDetails />;

**default**:

**return** <p>Select a section</p>;

    }

  };

**return** (

    <div *className***=**"App" *style***=**{{ textAlign: 'center' }}>

      <h1>📚 Blogger App</h1>

      <div *style***=**{{ marginBottom: '20px' }}>

        <button *onClick***=**{() **=>** setActive('book')}>Book</button>

        <button *onClick***=**{() **=>** setActive('blog')}>Blog</button>

        <button *onClick***=**{() **=>** setActive('course')}>Course</button>

      </div>

      {*/\* Conditional Rendering Techniques \*/*}

      {active **===** 'blog' **&&** <p>Welcome Blog Reader!</p>} {*/\* AND Operator \*/*}

      {active **===** 'course' **?** <p>Explore the Course!</p> **:** **null**} {*/\* Ternary \*/*}

      {renderComponent()} {*/\* switch-case-based rendering \*/*}

    </div>

  );

}

**export** **default** App;

**Output:**





