# SINGLE PAGE APPLICATION FRAMEWORK-REACT

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13.ReactJS HOL

App.js

import React, { useState } from 'react';

import BookDetails from './components/BookDetails';

import BlogDetails from './components/BlogDetails';

import CourseDetails from './components/CourseDetails';

import './App.css';

function App() {

  const [selectedView, setSelectedView] = useState("books");

  const renderView = () => {

    if (selectedView === "books") {

      return <BookDetails />;

    } else if (selectedView === "blogs") {

      return <BlogDetails />;

    } else {

      return <CourseDetails />;

    }

  };

  return (

    <div className="App">

      <h1>BloggerApp - Conditional Rendering</h1>

      <div className="buttons">

        <button onClick={() => setSelectedView("books")}>Book Details</button>

        <button onClick={() => setSelectedView("blogs")}>Blog Details</button>

        <button onClick={() => setSelectedView("courses")}>Course Details</button>

      </div>

      <hr />

      {renderView()}

      <p style={{ marginTop: "20px" }}>

        {selectedView === "books"

          ? "You are viewing Book Details."

          : selectedView === "blogs"

          ? "You are viewing Blog Details."

          : "You are viewing Course Details."}

      </p>

    </div>

  );

}

export default App;

App.css

.App {

  padding: 20px;

  font-family: Arial, sans-serif;

  text-align: center;

}

.buttons button {

  margin: 5px;

  padding: 10px 15px;

  font-size: 14px;

}

BlogDetails.js

import React from 'react';

function BlogDetails() {

  const blogs = [

    { id: 101, title: "React Basics", author: "Ravi" },

    { id: 102, title: "Conditional Rendering", author: "Meena" },

    { id: 103, title: "Hooks in Depth", author: "John" }

  ];

  return (

    <div>

      <h2>Blog Details</h2>

      <ul>

        {blogs.map(blog => (

          <li key={blog.id}>

            <strong>{blog.title}</strong> by {blog.author}

          </li>

        ))}

      </ul>

    </div>

  );

}

export default BlogDetails;

BookDetails.js

import React from 'react';

function BookDetails() {

  const books = [

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

    { id: 2, title: "The Alchemist", author: "Paulo Coelho" },

    { id: 3, title: "Deep Work", author: "Cal Newport" }

  ];

  return (

    <div>

      <h2>Book Details</h2>

      <ul>

        {books.map(book => (

          <li key={book.id}>

            <strong>{book.title}</strong> by {book.author}

          </li>

        ))}

      </ul>

    </div>

  );

}

export default BookDetails;

CourseDetails.js

import React from 'react';

function CourseDetails() {

  const courses = [

    { id: 'c1', name: "ReactJS", duration: "4 weeks" },

    { id: 'c2', name: "NodeJS", duration: "3 weeks" },

    { id: 'c3', name: "MongoDB", duration: "2 weeks" }

  ];

  return (

    <div>

      <h2>Course Details</h2>

      <ul>

        {courses.map(course => (

          <li key={course.id}>

            {course.name} - {course.duration}

          </li>

        ))}

      </ul>

    </div>

  );

}

export default CourseDetails;

Output:

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated