**WEEK 7 : REACT Hands On 13**

**Creating a Blogger Application**

**Code :**

**BlogDetails.js**

import React from 'react';

function BlogDetails({ blogs, showBlogs }) {

// Using && operator for conditional rendering

return (

<div className="content-section">

<h2>Blog Details</h2>

{showBlogs && (

<div className="item-list">

{blogs.map(blog => (

<div key={blog.id} className="blog-item">

<h3>{blog.title}</h3>

<p>{blog.content.substring(0, 100)}...</p>

<span>By: {blog.author}</span>

</div>

))}

</div>

)}

{!showBlogs && <p>Blogs are currently hidden</p>}

</div>

);

}

export default BlogDetails;

**BookDetails.js**

import React from 'react';

function BookDetails({ books }) {

return (

<div className="content-section">

<h2>Book Details</h2>

{books.length > 0 ? (

<ul className="item-list">

{books.map(book => (

<li key={book.id}>

<h3>{book.title}</h3>

<p>Author: {book.author}</p>

<p>Year: {book.year}</p>

</li>

))}

</ul>

) : (

<p>No books available</p>

)}

</div>

);

}

export default BookDetails;

**CourseDetails.js**

import React from 'react';

function CourseDetails({ courses, displayMode }) {

// Using switch-case pattern with element variables

let content;

switch(displayMode) {

case 'list':

content = (

<ul className="item-list">

{courses.map(course => (

<li key={course.id}>

<h3>{course.name}</h3>

<p>Duration: {course.duration} weeks</p>

</li>

))}

</ul>

);

break;

case 'grid':

content = (

<div className="grid-container">

{courses.map(course => (

<div key={course.id} className="grid-item">

<h3>{course.name}</h3>

<p>Instructor: {course.instructor}</p>

</div>

))}

</div>

);

break;

default:

content = <p>Select a display mode</p>;

}

return (

<div className="content-section">

<h2>Course Details</h2>

{content}

</div>

);

}

export default CourseDetails;

**App.css**

.App {

max-width: 1000px;

margin: 0 auto;

padding: 20px;

font-family: Arial, sans-serif;

}

header {

text-align: center;

margin-bottom: 30px;

}

nav button {

margin: 0 10px;

padding: 8px 15px;

background-color: #3498db;

color: white;

border: none;

border-radius: 4px;

cursor: pointer;

}

nav button:hover {

background-color: #2980b9;

}

.content-section {

border: 1px solid #ddd;

border-radius: 8px;

padding: 20px;

margin-bottom: 20px;

background-color: #f9f9f9;

}

.item-list {

list-style: none;

padding: 0;

}

.item-list li, .blog-item {

border-bottom: 1px solid #eee;

padding: 15px 0;

}

.blog-item {

margin-bottom: 15px;

}

.grid-container {

display: grid;

grid-template-columns: repeat(auto-fill, minmax(250px, 1fr));

gap: 20px;

}

.grid-item {

border: 1px solid #ddd;

border-radius: 8px;

padding: 15px;

background-color: white;

}

.controls {

margin-top: 20px;

text-align: center;

}

.controls button {

margin: 0 5px;

padding: 8px 15px;

background-color: #27ae60;

color: white;

border: none;

border-radius: 4px;

cursor: pointer;

}

.controls button:hover {

background-color: #219653;

}

**App.js**

import React, { useState } from 'react';

import BookDetails from './BookDetails';

import BlogDetails from './BlogDetails';

import CourseDetails from './CourseDetails';

import './App.css';

function App() {

const [activeTab, setActiveTab] = useState('books');

const [showBlogs, setShowBlogs] = useState(true);

const [courseDisplayMode, setCourseDisplayMode] = useState('list');

// Sample data

const books = [

{ id: 1, title: 'React Essentials', author: 'John Doe', year: 2022 },

{ id: 2, title: 'JavaScript Deep Dive', author: 'Jane Smith', year: 2021 }

];

const blogs = [

{ id: 1, title: 'Getting Started with React', content: 'Lorem ipsum dolor sit amet...', author: 'Alex Johnson' },

{ id: 2, title: 'Advanced React Patterns', content: 'Consectetur adipiscing elit...', author: 'Sarah Williams' }

];

const courses = [

{ id: 1, name: 'React Fundamentals', duration: 4, instructor: 'Mike Chen' },

{ id: 2, name: 'Advanced JavaScript', duration: 6, instructor: 'Emma Davis' },

{ id: 3, name: 'State Management', duration: 3, instructor: 'Robert Brown' }

];

// Conditional rendering with if-else

const renderContent = () => {

if (activeTab === 'books') {

return <BookDetails books={books} />;

} else if (activeTab === 'blogs') {

return <BlogDetails blogs={blogs} showBlogs={showBlogs} />;

} else if (activeTab === 'courses') {

return <CourseDetails courses={courses} displayMode={courseDisplayMode} />;

}

return null;

};

return (

<div className="App">

<header>

<h1>Blogger App</h1>

<nav>

<button onClick={() => setActiveTab('books')}>Books</button>

<button onClick={() => setActiveTab('blogs')}>Blogs</button>

<button onClick={() => setActiveTab('courses')}>Courses</button>

</nav>

</header>

<main>

{renderContent()}

</main>

<div className="controls">

{activeTab === 'blogs' && (

<button onClick={() => setShowBlogs(!showBlogs)}>

{showBlogs ? 'Hide Blogs' : 'Show Blogs'}

</button>

)}

{activeTab === 'courses' && (

<div>

<button onClick={() => setCourseDisplayMode('list')}>List View</button>

<button onClick={() => setCourseDisplayMode('grid')}>Grid View</button>

</div>

)}

</div>

</div>

);

}

export default App;

**Output :**







