### WEEK-7

# SupersetID- 6358118

# Project 1: cricketapp

### **Objective:**

Use ES6 features such as map, arrow functions, destructuring, and conditional rendering to display cricket player data.

#### **Folder Structure:**

#### Code

```
jsx
CopyEdit
import React from "react";

const players = [
    { name: "Virat", score: 90 },
    { name: "Rohit", score: 85 },
    { name: "Dhoni", score: 92 },
    { name: "Jadeja", score: 45 },
    { name: "Bumrah", score: 73 },
    { name: "Shami", score: 60 },
    { name: "Hardik", score: 78 },
    { name: "Gill", score: 88 },
```

```
{ name: "KL Rahul", score: 50 },
  { name: "Pant", score: 68 },
 { name: "Surya", score: 95 },
1:
const lowScorers = players.filter((player) => player.score < 70);</pre>
const ListOfPlayers = () => {
  return (
   <div>
     <h2>All Players</h2>
     <l
       {players.map((player, index) => (
         {player.name}: {player.score}
       ))}
     <h2>Players with Score below 70</h2>
     <u1>
       {lowScorers.map((player, index) => (
         {player.name}: {player.score}
       ))}
     </div>
 );
};
export default ListOfPlayers;
IndianPlayers.jsx
jsx
CopyEdit
import React from "react";
const IndianPlayers = () => {
 const oddTeam = ["Virat", "Dhoni", "Jadeja", "Shami", "KL Rahul"];
 const evenTeam = ["Rohit", "Hardik", "Gill", "Pant", "Surya",
"Bumrah"];
 const [captainOdd, ...restOdd] = oddTeam;
 const [captainEven, ...restEven] = evenTeam;
```

```
const T20players = ["Virat", "Rohit", "Surya"];
  const RanjiTrophy = ["Iyer", "Unadkat", "Sundar"];
  const allPlayers = [...T20players, ...RanjiTrophy];
  return (
    <div>
      <h2>0dd Team Players</h2>
      Captain: {captainOdd}
      \ensuremath{<} ul>{restOdd.map((p, i) => {p})}
      <h2>Even Team Players</h2>
      Captain: {captainEven}
      {restEven.map((p, i) => {p})}
      <h2>Merged Team (T20 + Ranji)</h2>
      \langle ul \rangle \{allPlayers.map((p, i) => \langle li key={i} \rangle \{p\} \langle /li \rangle) \} \langle /ul \rangle
    </div>
  );
};
export default IndianPlayers;
App.jsx
isx
CopyEdit
import React from "react";
import ListOfPlayers from "./components/ListOfPlayers";
import IndianPlayers from "./components/IndianPlayers";
const flag = true; // change to false to test IndianPlayers
function App() {
  return (
    <div>
      <h1>> Welcome to Cricket App</h1>
      {flag ? <ListOfPlayers /> : <IndianPlayers />}
    </div>
  );
}
```

```
index.js
jsx
CopyEdit
import React from "react";
import ReactDOM from "react-dom/client";
import App from "./App";

const root = ReactDOM.createRoot(document.getElementById("root"));
root.render(<App />);
```

```
## Welcome to Cricket App

All Players

• Virat: 90
• Rohn: 85
• Rohn: 85
• Judgia: 45
• Burnarh: 73
• Shami: 60
• KL Rohn: 50
• Surya: 95

Players with Score below 70

• Jadgia: 45
• Shami: 60
• KL Rahul: 50
• Pant: 68
```



# **Project 2: officespacerentalapp**

## **Objective:**

Use JSX, object rendering, array mapping, and inline conditional styling based on rent amount.

#### **Folder Structure:**

```
officespacerentalapp/
├── App.jsx
└── index.js
```

#### Code

```
App.jsx
jsx
import React from "react";
// Sample data
const officeList = [
    name: "Cyber Heights Tower",
    rent: 55000,
    address: "Sector 63, Noida",
    image:
"https://img.staticmb.com/mbcontent/images/uploads/2022/10/Commercia
1%20office%20space.jpg",
  },
    name: "WorkHub Center",
    rent: 75000,
    address: "Baner, Pune",
    image:
"https://images.unsplash.com/photo-1590650046871-92c887180603",
  },
    name: "TechNest Space",
    rent: 60000,
    address: "Electronic City, Bangalore",
    image:
"https://img.freepik.com/free-photo/modern-office-interior-design-wi
th-working-areas-meeting-rooms_105762-2214.jpg",
  },
];
function App() {
  return (
    <div>
```

```
<h1 style={{ textAlign: "center", color: "#333" }}>
       Office Space Rental App
     </h1>
      {officeList.map((office, index) => {
       const rentColor = {
         color: office.rent > 60000 ? "green" : "red",
         fontWeight: "bold",
       };
       return (
         <div
           key={index}
           style={{
             border: "1px solid #ccc",
             padding: "16px",
             margin: "20px auto",
             maxWidth: "600px",
             backgroundColor: "#f9f9f9",
           }}
           <img
             src={office.image}
             alt={office.name}
             style={{ width: "100%" }}
           />
           <h2>{office.name}</h2>
           Rent: ₹{office.rent}
           Address: {office.address}
         </div>
       );
     })}
   </div>
  );
}
export default App;
index.js
jsx
CopyEdit
```

```
import React from "react";
import ReactDOM from "react-dom/client";
import App from "./App";

const root = ReactDOM.createRoot(document.getElementById("root"));
root.render(<App />);
```





# **Project 3: eventexamplesapp**

## **Objective:**

Demonstrate React events, synthetic events, and multi-handler functions.

#### **Folder Structure:**

#### Code

**App.jsx** jsx CopyEdit

```
import React, { useState } from "react";
import CurrencyConverter from "./components/CurrencyConverter";
function App() {
  const [count, setCount] = useState(0);
  function incrementCounter() {
    setCount(count + 1);
    sayHello();
  }
  function decrementCounter() {
    setCount(count - 1);
  }
 function sayHello() {
    console.log("Hello! This is a static message.");
  }
 function sayWelcome(message) {
    alert(`Welcome Message: ${message}`);
  }
 function handleSyntheticEvent(e) {
    alert("I was clicked");
  }
  return (
    <div style={{ textAlign: "center", padding: "20px" }}>
      <h1>@ React Event Handling</h1>
      <h2>Counter: {count}</h2>
      <button onClick={incrementCounter}>Increment</button>
      <button onClick={decrementCounter}>Decrement</button>
      <br /><br />
      <button onClick={() => sayWelcome("Welcome to React!")}>Say
Welcome
      <br /><br />
      <button onClick={handleSyntheticEvent}>Synthetic
Event</button>
```

```
<br /><br />
      <CurrencyConverter />
    </div>
 );
}
export default App;
CurrencyConverter.jsx
jsx
CopyEdit
import React, { useState } from "react";
function CurrencyConverter() {
  const [rupees, setRupees] = useState("");
 const [euros, setEuros] = useState("");
 const handleSubmit = () => {
    const converted = (parseFloat(rupees) / 90).toFixed(2);
    setEuros(converted);
  };
  return (
    <div>
      <h2>  Currency Converter</h2>
      <input
        type="number"
        placeholder="Enter INR"
        value={rupees}
        onChange={(e) => setRupees(e.target.value)}
      />
      <button onClick={handleSubmit}>Convert</button>
      {euros && Euro: €{euros}}
    </div>
  );
}
export default CurrencyConverter;
```

```
index.js
jsx
CopyEdit
import React from "react";
import ReactDOM from "react-dom/client";
import App from "./App";
const root = ReactDOM.createRoot(document.getElementById("root"));
root.render(<App />);
Screenshot:
 ← → ♂ (i) localhost:3000
                                                                      © React Event Handling Example
                                        Counter: 0
                                       Increment Decrement
                                        Say Welcome
                                      Synthetic Event (OnPress)
                                     © Currency Converter
                                            Convert
```

# Project 4: ticketbookingapp

Q Search

### **Objective:**

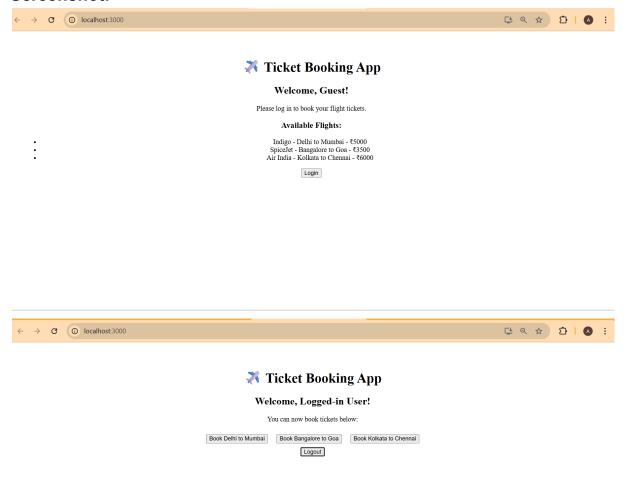
Use conditional rendering to show Guest or Logged-in user view.

#### **Folder Structure:**

#### Code

```
App.jsx
import React, { useState } from "react";
import GuestPage from "./components/GuestPage";
import UserPage from "./components/UserPage";
function App() {
 const [isLoggedIn, setIsLoggedIn] = useState(false);
  return (
    <div style={{ textAlign: "center" }}>
      <h1>X Ticket Booking App</h1>
      {isLoggedIn ? (
        <>
          <UserPage />
          <button onClick={() =>
setIsLoggedIn(false)}>Logout</button>
        </>
      ) : (
        <>
          <GuestPage />
          <button onClick={() => setIsLoggedIn(true)}>Login/button>
        </>
      )}
    </div>
  );
export default App;
GuestPage.jsx
import React from "react";
function GuestPage() {
  return (
    <div>
      <h2>Welcome, Guest!</h2>
      Login to book your flight.
```

```
<u1>
       Indigo - Delhi to Mumbai - ₹5000
       SpiceJet - Bangalore to Goa - ₹3500
       Air India - Kolkata to Chennai - ₹6000
     </div>
 );
}
export default GuestPage;
UserPage.jsx
import React from "react";
function UserPage() {
  return (
   <div>
     <h2>Welcome, User!</h2>
     Click to book your flight:
     <button>Book Delhi to Mumbai
     <button>Book Bangalore to Goa</button>
     <button>Book Kolkata to Chennai/button>
   </div>
 );
}
export default UserPage;
index.js
import React from "react";
import ReactDOM from "react-dom/client";
import App from "./App";
const root = ReactDOM.createRoot(document.getElementById("root"));
root.render(<App />);
```



# Project 5: bloggerapp

## **Objective:**

Demonstrate multiple conditional rendering methods and component extraction using .map() and keys.

#### **Folder Structure:**



```
| ├── BookDetails.jsx
| ├── BlogDetails.jsx
| └── CourseDetails.jsx
| └── index.js
```

#### Code

);

export default App;

}

```
App.jsx
import React, { useState } from "react";
import BookDetails from "./components/BookDetails";
import BlogDetails from "./components/BlogDetails";
import CourseDetails from "./components/CourseDetails";
function App() {
  const [selected, setSelected] = useState("book");
 const renderComponent = () => {
    if (selected === "book") return <BookDetails />;
    else if (selected === "blog") return <BlogDetails />;
    else return <CourseDetails />;
  };
  return (
    <div style={{ textAlign: "center" }}>
      <h1> Blogger App</h1>
      <button onClick={() => setSelected("book")}>Book
Details</button>
      <button onClick={() => setSelected("blog")}>Blog
Details</button>
      <button onClick={() => setSelected("course")}>Course
Details</button>
      <div style={{ marginTop: "30px" }}>
        {renderComponent()}
      </div>
    </div>
```

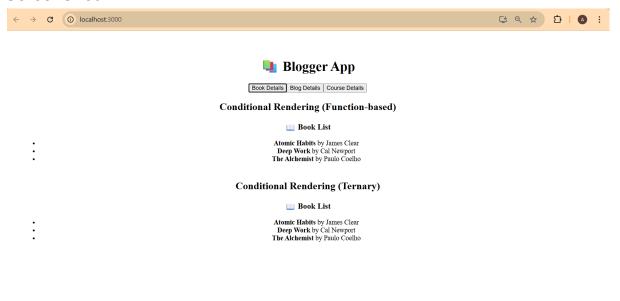
```
BookDetails.jsx
import React from "react";
function BookDetails() {
 const books = [
    { id: 1, title: "Atomic Habits", author: "James Clear" },
    { id: 2, title: "Deep Work", author: "Cal Newport" },
    { id: 3, title: "The Alchemist", author: "Paulo Coelho" },
  ];
  return (
   <div>
     <h3> Book List</h3>
     <l
        {books.map((book) => (
         <b>{book.title}</b> by
{book.author}
       ))}
     </div>
 );
}
export default BookDetails;
BlogDetails.jsx
import React from "react";
function BlogDetails() {
 const blogs = [
    { id: 1, topic: "React Basics", writer: "John Doe" },
    { id: 2, topic: "JSX in Depth", writer: "Jane Smith" },
    { id: 3, topic: "React Hooks", writer: "Alex Johnson" },
  ];
  return (
```

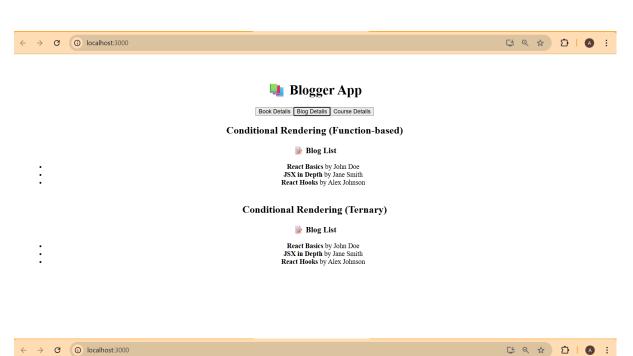
<div>

```
<h3> Blog List</h3>
     <u1>
       {blogs.map((blog) => (
         <b>{blog.topic}</b> by
{blog.writer}
       ))}
     </div>
 );
}
export default BlogDetails;
CourseDetails.jsx
import React from "react";
function CourseDetails() {
 const courses = [
   { id: 1, name: "ReactJS", duration: "1 month" },
   { id: 2, name: "NodeJS", duration: "1.5 months" },
   { id: 3, name: "MongoDB", duration: "20 days" },
 1:
 return (
   <div>
     <h3> Course List</h3>
     <l
       {courses.map((course) => (
         <b>{course.name}</b> -
{course.duration}
       ))}
     </div>
 );
}
export default CourseDetails;
```

```
import React from "react";
import ReactDOM from "react-dom/client";
import App from "./App";

const root = ReactDOM.createRoot(document.getElementById("root"));
root.render(<App />);
```





ReactJS - 1 month NodeJS - 1.5 months MongoDB - 20 days

