**HANDSON: CRICKETAPP**

import React from 'react';

const ListofPlayers = () => {

const players = [

{ name: 'Virat', score: 88 },

{ name: 'Rohit', score: 76 },

{ name: 'Dhoni', score: 95 },

{ name: 'Hardik', score: 62 },

{ name: 'Rahul', score: 81 },

{ name: 'Shikhar', score: 69 },

{ name: 'Bumrah', score: 55 },

{ name: 'Jadeja', score: 73 },

{ name: 'Ashwin', score: 66 },

{ name: 'Kuldeep', score: 58 },

{ name: 'Pant', score: 90 },

];

const lowScorers = players.filter(player => player.score < 70);

return (

<div>

<h2>All Players</h2>

<ul>

{players.map((player, index) => (

<li key={index}>{player.name} - {player.score}</li>

))}

</ul>

<h2>Players with Score below 70</h2>

<ul>

{lowScorers.map((player, index) => (

<li key={index}>{player.name} - {player.score}</li>

))}

</ul>

</div>

);

};

export default ListofPlayers;

import React from 'react';

const IndianPlayers = () => {

const players = ['Virat', 'Rohit', 'Dhoni', 'Hardik', 'Rahul', 'Shikhar'];

const oddTeam = players.filter((\_, index) => index % 2 !== 0);

const evenTeam = players.filter((\_, index) => index % 2 === 0);

// ES6 Destructuring

const [first, second, third, fourth] = players;

// Merging T20 and Ranji players

const T20players = ['Suryakumar', 'Ishan', 'Chahal'];

const RanjiPlayers = ['Pujara', 'Rahane', 'Karun'];

const allPlayers = [...T20players, ...RanjiPlayers];

return (

<div>

<h2>Odd Team Players</h2>

<ul>

{oddTeam.map((player, index) => <li key={index}>{player}</li>)}

</ul>

<h2>Even Team Players</h2>

<ul>

{evenTeam.map((player, index) => <li key={index}>{player}</li>)}

</ul>

<h2>All Players (Merged T20 + Ranji)</h2>

<ul>

{allPlayers.map((player, index) => <li key={index}>{player}</li>)}

</ul>

</div>

);

};

export default IndianPlayers;

import React from 'react';

import ListofPlayers from './components/ListofPlayers';

import IndianPlayers from './components/IndianPlayers';

function App() {

const flag = true; // Change this to false to toggle component

return (

<div className="App">

<h1>Welcome to Cricket App</h1>

{flag ? <ListofPlayers /> : <IndianPlayers />}

</div>

);

}

export default App;

import React from 'react';

import ReactDOM from 'react-dom/client';

import App from './App';

const root = ReactDOM.createRoot(document.getElementById('root'));

root.render(<App />);

**OUTPUT:**

Welcome to Cricket App

All Players

- Virat - 88

- Rohit - 76

...

- Pant - 90

Players with Score below 70

- Hardik - 62

- Shikhar - 69

...

**HANDSON: OFFICESPACERENTALAPP**

import React from 'react';

import './App.css';

const App = () => {

// Office object

const office = {

name: "Downtown Workspace",

rent: 55000,

address: "123 Main Street, Bangalore"

};

// Office list

const officeList = [

{ id: 1, name: "City Center Hub", rent: 45000, address: "456 MG Road" },

{ id: 2, name: "Green Park Space", rent: 62000, address: "789 Green Avenue" },

{ id: 3, name: "Tech Valley Office", rent: 75000, address: "101 Silicon Street" },

{ id: 4, name: "Budget Workspace", rent: 38000, address: "12 Budget Lane" }

];

return (

<div className="App">

{/\* Heading Element \*/}

<h1>Office Space Rental Listings</h1>

{/\* Office Image with JSX attribute \*/}

<img

src="https://via.placeholder.com/600x300?text=Office+Space"

alt="Office"

style={{ width: '100%', height: 'auto', marginBottom: '20px' }}

/>

{/\* Single office object \*/}

<div className="office-card">

<h2>{office.name}</h2>

<p>Address: {office.address}</p>

<p style={{ color: office.rent < 60000 ? 'red' : 'green' }}>

Rent: ₹{office.rent}

</p>

</div>

<hr />

{/\* Looping through office list \*/}

<h2>More Office Spaces:</h2>

{officeList.map(item => (

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

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

<p>Address: {item.address}</p>

<p style={{ color: item.rent < 60000 ? 'red' : 'green' }}>

Rent: ₹{item.rent}

</p>

</div>

))}

</div>

);

};

export default App;

.App {

font-family: Arial, sans-serif;

padding: 20px;

background-color: #f4f4f4;

}

.office-card {

background-color: #fff;

padding: 15px;

margin-bottom: 20px;

border-radius: 8px;

box-shadow: 0 2px 4px rgba(0,0,0,0.1);

}

import React from 'react';

import ReactDOM from 'react-dom/client';

import App from './App';

const root = ReactDOM.createRoot(document.getElementById('root'));

root.render(<App />);

**OUTPUT:**

Heading:

Displays "Office Space Rental Listings"

Image:

Shows a placeholder image of office space

Office Object:

Displays Downtown Workspace, rent in red (₹55000), and address

List of Offices:

Loops through multiple office entries

Rent color:

Red if below ₹60,000

Green if ₹60,000 or above

**HANDSON: EVENTEXAMPLESAPP**

import React, { useState } from 'react';

import CurrencyConvertor from './components/CurrencyConvertor';

import './App.css';

const App = () => {

const [counter, setCounter] = useState(0);

// Increment function with multiple methods

const handleIncrement = () => {

incrementValue();

sayHello();

};

const incrementValue = () => {

setCounter(prev => prev + 1);

};

const sayHello = () => {

console.log("Hello! This is an increment action.");

};

const handleDecrement = () => {

setCounter(prev => prev - 1);

};

const sayWelcome = (message) => {

alert(message);

};

const handlePress = (e) => {

alert("I was clicked");

};

return (

<div className="App">

<h1>Event Examples App</h1>

<h2>Counter: {counter}</h2>

{/\* Increment button with multiple functions \*/}

<button onClick={handleIncrement}>Increment</button>

<button onClick={handleDecrement}>Decrement</button>

<hr />

{/\* Button passing argument to function \*/}

<button onClick={() => sayWelcome("Welcome to the Event App!")}>Say Welcome</button>

<hr />

{/\* Synthetic event \*/}

<button onClick={handlePress}>OnPress</button>

<hr />

{/\* Currency Converter Component \*/}

<CurrencyConvertor />

</div>

);

};

export default App;

import React, { useState } from 'react';

const CurrencyConvertor = () => {

const [rupees, setRupees] = useState('');

const [euro, setEuro] = useState('');

const handleSubmit = () => {

const rupeeValue = parseFloat(rupees);

if (!isNaN(rupeeValue)) {

const euroValue = (rupeeValue / 89.5).toFixed(2); // Assume conversion rate

setEuro(euroValue);

} else {

alert("Please enter a valid number.");

}

};

return (

<div>

<h2>Currency Converter</h2>

<input

type="number"

placeholder="Enter amount in INR"

value={rupees}

onChange={(e) => setRupees(e.target.value)}

/>

<button onClick={handleSubmit}>Convert</button>

{euro && <p>€ {euro}</p>}

</div>

);

};

export default CurrencyConvertor;

.App {

font-family: Arial, sans-serif;

padding: 20px;

}

button {

margin: 5px;

padding: 10px;

cursor: pointer;

}

input {

padding: 8px;

margin-right: 10px;

}

import React from 'react';

import ReactDOM from 'react-dom/client';

import App from './App';

const root = ReactDOM.createRoot(document.getElementById('root'));

root.render(<App />);

**OUTPUT:**

Event Examples App

Counter: 0

[Increment][Decrement]

[Say Welcome]

(Clicking shows alert: “Welcome to the Event App!”)

[OnPress]

(Clicking shows alert: “I was clicked”)

Currency Converter

Enter amount in INR:

[ 89500 ]

[Convert]

€ 1000.00

**HANDSON: TICKETBOOKINGAPP**

import React, { useState } from 'react';

import GuestPage from './components/GuestPage';

import UserPage from './components/UserPage';

import './App.css';

const App = () => {

const [isLoggedIn, setIsLoggedIn] = useState(false);

const handleLogin = () => setIsLoggedIn(true);

const handleLogout = () => setIsLoggedIn(false);

return (

<div className="App">

<header>

<h1>✈️ Ticket Booking App</h1>

{isLoggedIn ? (

<button onClick={handleLogout}>Logout</button>

) : (

<button onClick={handleLogin}>Login</button>

)}

</header>

<main>

{isLoggedIn ? <UserPage /> : <GuestPage />}

</main>

</div>

);

};

export default App;

import React from 'react';

const GuestPage = () => {

const flights = [

{ id: 1, from: 'Delhi', to: 'Mumbai', time: '10:00 AM', price: 4500 },

{ id: 2, from: 'Bangalore', to: 'Chennai', time: '12:30 PM', price: 3200 },

{ id: 3, from: 'Hyderabad', to: 'Kolkata', time: '3:00 PM', price: 6000 },

];

return (

<div>

<h2>Available Flights (View Only)</h2>

<ul>

{flights.map(flight => (

<li key={flight.id}>

{flight.from} → {flight.to} | Time: {flight.time} | Price: ₹{flight.price}

</li>

))}

</ul>

<p><strong>Please login to book tickets.</strong></p>

</div>

);

};

export default GuestPage;

import React from 'react';

const UserPage = () => {

const flights = [

{ id: 1, from: 'Delhi', to: 'Mumbai', time: '10:00 AM', price: 4500 },

{ id: 2, from: 'Bangalore', to: 'Chennai', time: '12:30 PM', price: 3200 },

{ id: 3, from: 'Hyderabad', to: 'Kolkata', time: '3:00 PM', price: 6000 },

];

const bookFlight = (id) => {

alert(`Flight ID ${id} booked successfully!`);

};

return (

<div>

<h2>Book Your Flight</h2>

<ul>

{flights.map(flight => (

<li key={flight.id}>

{flight.from} → {flight.to} | Time: {flight.time} | Price: ₹{flight.price}

<button onClick={() => bookFlight(flight.id)} style={{ marginLeft: '10px' }}>

Book

</button>

</li>

))}

</ul>

</div>

);

};

export default UserPage;

.App {

font-family: Arial, sans-serif;

padding: 20px;

}

header {

display: flex;

justify-content: space-between;

align-items: center;

}

button {

padding: 8px 16px;

cursor: pointer;

background-color: #1976d2;

color: white;

border: none;

border-radius: 4px;

}

ul {

list-style: none;

padding: 0;

}

li {

padding: 10px;

background: #f1f1f1;

margin-bottom: 8px;

border-radius: 5px;

}

import React from 'react';

import ReactDOM from 'react-dom/client';

import App from './App';

const root = ReactDOM.createRoot(document.getElementById('root'));

root.render(<App />);

**OUTPUT:**

BEFORE LOGIN:

Ticket Booking App [Login]

Available Flights (View Only)

- Delhi → Mumbai | 10:00 AM | ₹4500

- Bangalore → Chennai | 12:30 PM | ₹3200

- Hyderabad → Kolkata | 3:00 PM | ₹6000

Please login to book tickets.

AFTER LOGIN:

Ticket Booking App [Logout]

Book Your Flight

- Delhi → Mumbai | 10:00 AM | ₹4500 [Book]

- Bangalore → Chennai | 12:30 PM | ₹3200 [Book]

- Hyderabad → Kolkata | 3:00 PM | ₹6000 [Book]

**HANDSON: BLOGGERAPP**

import React from 'react';

const BookDetails = () => {

return (

<div>

<h2>Book Details</h2>

<p>Title: "The Great Gatsby"</p>

<p>Author: F. Scott Fitzgerald</p>

<p>Year: 1925</p>

</div>

);

};

export default BookDetails;

import React from 'react';

const BlogDetails = () => {

return (

<div>

<h2>Blog Details</h2>

<p>Title: "React Patterns"</p>

<p>Author: Dan Abramov</p>

<p>Date: July 2021</p>

</div>

);

};

export default BlogDetails;

import React from 'react';

const CourseDetails = () => {

return (

<div>

<h2>Course Details</h2>

<p>Course: "Full Stack Development"</p>

<p>Instructor: John Doe</p>

<p>Duration: 6 months</p>

</div>

);

};

export default CourseDetails;

import React, { useState } from 'react';

import BookDetails from './components/BookDetails';

import BlogDetails from './components/BlogDetails';

import CourseDetails from './components/CourseDetails';

function App() {

const [view, setView] = useState('book'); // Default

// Element Variable Method

let content;

if (view === 'book') {

content = <BookDetails />;

} else if (view === 'blog') {

content = <BlogDetails />;

} else if (view === 'course') {

content = <CourseDetails />;

}

// Switch statement method (alternative)

const renderSwitch = () => {

switch (view) {

case 'book':

return <BookDetails />;

case 'blog':

return <BlogDetails />;

case 'course':

return <CourseDetails />;

default:

return <p>No view selected.</p>;

}

};

return (

<div className="App" style={{ padding: '20px', fontFamily: 'Arial' }}>

<h1> Blogger App</h1>

{/\* Conditional Buttons \*/}

<button onClick={() => setView('book')}>Show Book</button>

<button onClick={() => setView('blog')}>Show Blog</button>

<button onClick={() => setView('course')}>Show Course</button>

<button onClick={() => setView('none')}>Clear</button>

<hr />

{/\* 1. Using element variable \*/}

{content}

{/\* 2. Ternary Operator \*/}

{view === 'none' ? <p>Please select a view</p> : null}

{/\* 3. Logical && Operator \*/}

{view === 'blog' && <p>You're viewing a blog post.</p>}

{/\* 4. Switch rendering \*/}

{/\* You could replace the above with this:

{renderSwitch()}

\*/}

</div>

);

}

export default App;

import React from 'react';

import ReactDOM from 'react-dom/client';

import App from './App';

const root = ReactDOM.createRoot(document.getElementById('root'));

root.render(<App />);

**OUTPUT:**

ON LOAD:

Blogger App

[Show Book] [Show Blog] [Show Course] [Clear]

-- Shows Book Details by default --

AFTER CLICKING "SHOW BLOG":

Blog Details

Title: React Patterns

...

You're viewing a blog post.

AFTER CLICKING "CLEAR":

Please select a view

(No other component shown)