

WEEK 7

9. ReactJS-HOL

ListofPlayers.js

```
JS ListofPlayers.js X JS IndianPlayers.js JS App.js
src > components > JS ListofPlayers.js > ...
1  import React from 'react';
2
3  const ListofPlayers = () => {
4    const players = [
5      { name: 'Virat', score: 85 },
6      { name: 'Rohit', score: 40 },
7      { name: 'Dhoni', score: 95 },
8      { name: 'Rahul', score: 60 },
9      { name: 'Shikhar', score: 45 },
10     { name: 'Jadeja', score: 90 },
11     { name: 'Ashwin', score: 50 },
12     { name: 'Shami', score: 80 },
13     { name: 'Bumrah', score: 70 },
14     { name: 'Kuldeep', score: 55 },
15     { name: 'Pant', score: 35 }
16   ];
17
18   const allPlayers = players.map((player, index) => (
19     <li key={index}>{player.name} - {player.score}</li>
20   ));
21
22   const lowScorers = players.filter(p => p.score < 70);
23
24   return (
25     <div>
26       <h2>All Players</h2>
27       <ul>{allPlayers}</ul>
28
29       <h2>Players with Score Below 70</h2>
30     </div>
31   );
32 }
```

```
3  const ListofPlayers = () => {
17
18   const allPlayers = players.map((player, index) => (
19     <li key={index}>{player.name} - {player.score}</li>
20   ));
21
22   const lowScorers = players.filter(p => p.score < 70);
23
24   return (
25     <div>
26       <h2>All Players</h2>
27       <ul>{allPlayers}</ul>
28
29       <h2>Players with Score Below 70</h2>
30       <ul>
31         {lowScorers.map((player, index) => (
32           <li key={index}>{player.name} - {player.score}</li>
33         ))}
34       </ul>
35     </div>
36   );
37 };
38
39 export default ListofPlayers;
40
```

IndianPlayers.js

```
JS ListofPlayers.js JS IndianPlayers.js X JS App.js
src > components > JS IndianPlayers.js > ...
1  import React from 'react';
2
3  const IndianPlayers = () => {
4    const team = ['Kohli', 'Dhawan', 'Raina', 'Bhuvneshwar', 'Ishant', 'Harbhajan'];
5
6    // Destructure odd and even index players
7    const evenPlayers = team.filter((_, index) => index % 2 === 0);
8    const oddPlayers = team.filter((_, index) => index % 2 !== 0);
9
10   const T20players = ['Hardik', 'Suryakumar', 'Gill'];
11   const RanjiTrophyPlayers = ['Pujara', 'Rahane', 'Vihari'];
12
13   const mergedPlayers = [...T20players, ...RanjiTrophyPlayers];
14
15   return (
16     <div>
17       <h2>Even Team Players</h2>
18       <ul>
19         {evenPlayers.map((player, i) => <li key={i}>{player}</li>)}
20       </ul>
21
22       <h2>Odd Team Players</h2>
23       <ul>
24         {oddPlayers.map((player, i) => <li key={i}>{player}</li>)}
25       </ul>
26
27       <h2>Merged T20 & Ranji Trophy Players</h2>
28       <ul>
29         {mergedPlayers.map((player, i) => <li key={i}>{player}</li>)}
30       </ul>
31     </div>
32   );
33 };
34
35 export default IndianPlayers;
36
```

App.js

```
JS ListofPlayers.js JS IndianPlayers.js JS App.js X
src > JS App.js > ...
1  import React from 'react';
2  import ListofPlayers from './components/ListofPlayers';
3  import IndianPlayers from './components/IndianPlayers';
4
5  function App() {
6    const flag = true; // Toggle this to false to switch components
7
8    return (
9      <div className="App">
10        <h1>Cricket App</h1>
11        {flag ? <ListofPlayers /> : <IndianPlayers />}
12      </div>
13    );
14  }
15
16  export default App;
17
```

Output:

Cricket App

All Players

- Virat - 85
- Rohit - 40
- Dhoni - 95
- Rahul - 60
- Shikhar - 45
- Jadeja - 90
- Ashwin - 50
- Shami - 80
- Bumrah - 70
- Kuldeep - 55
- Pant - 35

Players with Score Below 70

- Rohit - 40
- Rahul - 60
- Shikhar - 45
- Ashwin - 50
- Kuldeep - 55
- Pant - 35

10. ReactJS-HOL

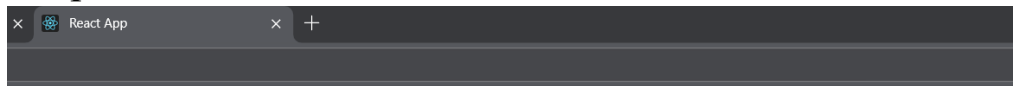
App.js

```
JS App.js  X  # App.css
src > JS App.js > App
1  import React from 'react';
2  import './App.css';
3
4  function App() {
5    const office = {
6      name: 'DBS',
7      rent: 50000,
8      address: 'Hyderabad',
9      image: 'https://www.google.com/url?sa=i&url=https%3A%2F%2Fwww.ikeva.com%2Fhyderabad%2F&psig=AOvVaw1pu
10 };
11
12 return (
13   <div className="container">
14     <h1>Office Space , at Affordable Range</h1>
15     <img src={office.image} alt="Office" className="main-image" />
16     <h2>Name: {office.name}</h2>
17     <p className={office.rent > 60000 ? 'green' : 'red'}>Rent: Rs. {office.rent}</p>
18     <p><b>Address:</b> {office.address}</p>
19   </div>
20 );
21 }
22
23 export default App;
24
```

App.css

```
JS App.js  # App.css  X
src > # App.css > ...
1  .container {
2    padding: 40px;
3    font-family: Arial;
4    text-align: center;
5  }
6
7  .main-image {
8    width: 300px;
9    height: 200px;
10   margin: 20px 0;
11 }
12
13 .red {
14   color: red;
15   font-weight: bold;
16 }
17
18 .green {
19   color: green;
20   font-weight: bold;
21 }
22
```

Output:



Office Space , at Affordable Range



Name: DBS

Rent: Rs. 50000

Address: Hyderabad

11. ReactJS-HOL

CurrencyConvertor.js

```
JS App.js    JS CurrencyConvertor.js X    # App.css
src > components > JS CurrencyConvertor.js > CurrencyConvertor > constructor
1  import React, { Component } from 'react';
2
3  class CurrencyConvertor extends Component {
4    constructor() {
5      super();
6      this.state = {
7        rupees: '',
8        euro: ''
9      };
10     this.handleChange = this.handleChange.bind(this);
11     this.handleSubmit = this.handleSubmit.bind(this);
12   }
13
14   handleChange(e) {
15     this.setState({ rupees: e.target.value });
16   }
17
18   handleSubmit() {
19     const euro = (parseFloat(this.state.rupees) / 88).toFixed(2);
20     this.setState({ euro });
21   }
22
23   render() {
24     return (
25       <div>
26         <h2>Currency Converter</h2>
27         <input
28           type="text"
29           placeholder="Enter amount in INR"
30           value={this.state.rupees}
31           onChange={this.handleChange}
32         />
33         <button onClick={this.handleSubmit}>Convert</button>
34         <p>Amount in Euro: {this.state.euro}</p>
35       </div>
36     );
37   }
38 }
39
40 export default CurrencyConvertor;
41
```

App.js

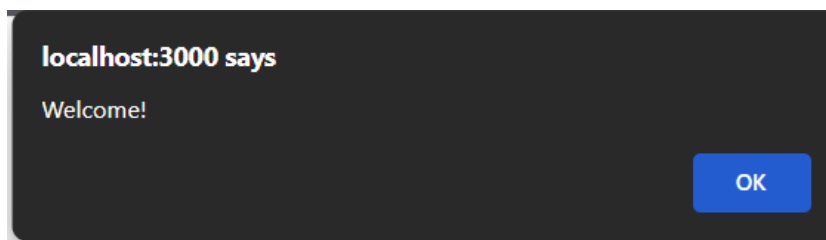
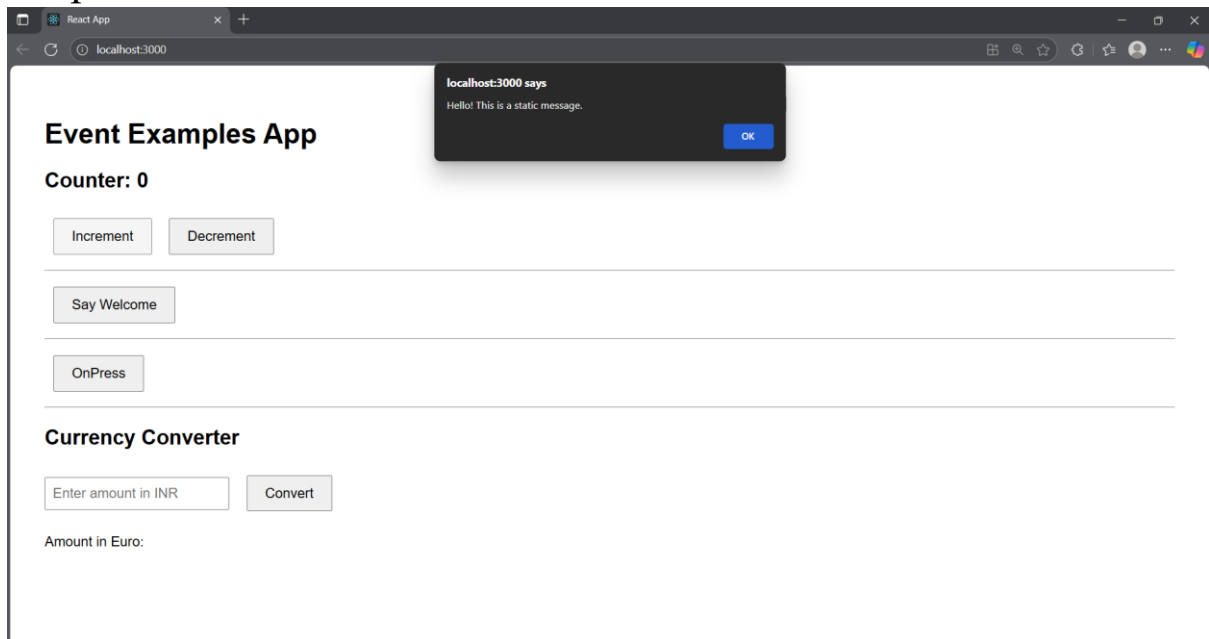
```
JS App.js X JS CurrencyConvertor.js # App.css
src > JS App.js > ...
1 import React, { Component } from 'react';
2 import CurrencyConvertor from './components/CurrencyConvertor';
3 import './App.css';
4 class App extends Component {
5   constructor() {
6     super();
7     this.state = {
8       count: 0
9     };
10    this.increment = this.increment.bind(this);
11    this.sayHello = this.sayHello.bind(this);
12    this.increaseAll = this.increaseAll.bind(this);
13  }
14
15  increment() {
16    this.setState({ count: this.state.count + 1 });
17  }
18
19  sayHello() {
20    alert("Hello! This is a static message.");
21  }
22
23  increaseAll() {
24    this.increment();
25    this.sayHello();
26  }
27
28  sayWelcome(msg) {
29    alert(msg);
30  }
31
32  handleSyntheticEvent(e) {
33    alert("I was clicked");
34  }
35
36  render() {
37    return (
```

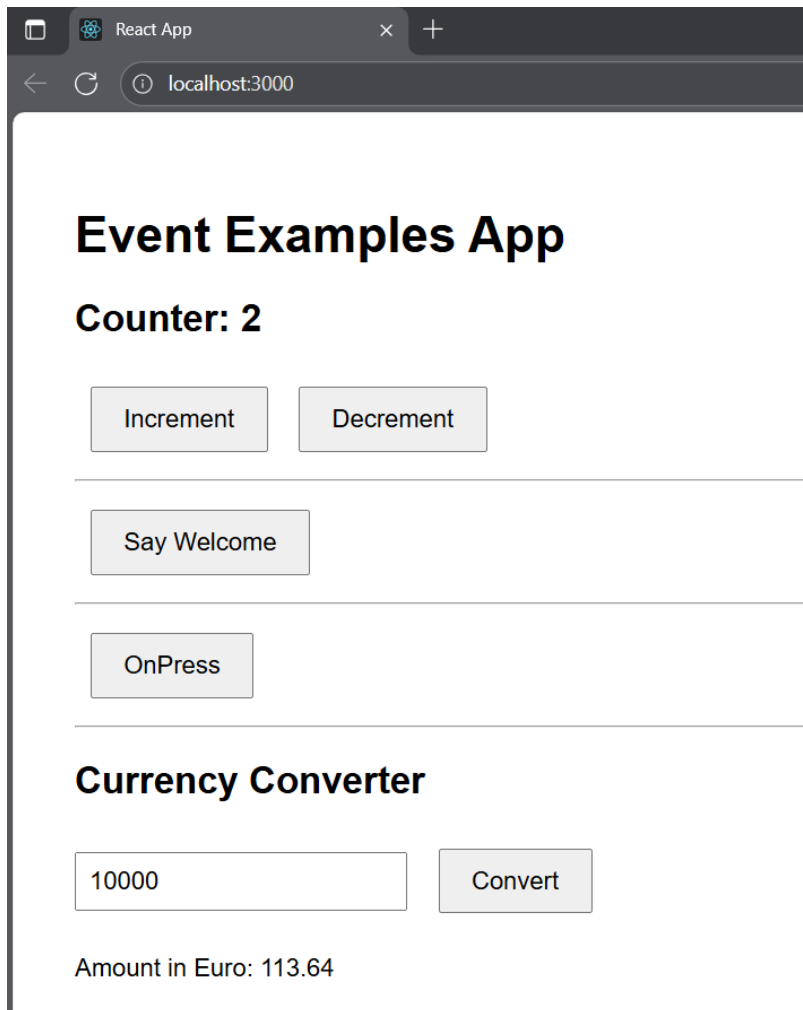
```
JS App.js X JS CurrencyConvertor.js # App.css
src > JS App.js > ...
4 class App extends Component {
32   handleSyntheticEvent(e) {
33     alert("I was clicked");
34   }
35
36   render() {
37     return (
38       <div style={{ padding: "40px", fontFamily: "Arial" }}>
39         <h1>Event Examples App</h1>
40
41         <h2>Counter: {this.state.count}</h2>
42         <button onClick={this.increaseAll}>Increment</button>
43         <button onClick={() => this.setState({ count: this.state.count - 1 })}>Decrement</button>
44
45         <hr />
46
47         <button onClick={() => this.sayWelcome("welcome!")}>Say Welcome</button>
48
49         <hr />
50
51         <button onClick={(e) => this.handleSyntheticEvent(e)}>OnPress</button>
52
53         <hr />
54
55         <CurrencyConvertor />
56       </div>
57     );
58   }
59 }
60
61 export default App;
62
```

App.css

```
JS App.js    JS CurrencyConvertor.js X
src > # App.css > input
1  button {
2    margin: 10px;
3    padding: 10px 20px;
4    font-size: 16px;
5  }
6  input {
7    padding: 8px;
8    margin-right: 10px;
9    font-size: 16px;
10 }
11
```

Output:





12. ReactJS-HOL

Guest.js

```
JS App.js JS Guest.js X JS User.js
src > components > JS Guest.js > ...
1  import React from 'react';
2
3  const Guest = (props) => {
4    return (
5      <div>
6        <h2>Flight Details</h2>
7        <p>Destination: Mumbai</p>
8        <p>Date: 10th August 2025</p>
9        <p>Time: 10:30 AM</p>
10       <button onClick={props.click}>Login to Book</button>
11     </div>
12   );
13 };
14
```

User.js

```
JS App.js JS Guest.js JS User.js X
src > components > JS User.js > ...
1  import React from 'react';
2
3  const User = (props) => {
4    return (
5      <div>
6        <h2>Welcome User</h2>
7        <p>Flight: Mumbai Express</p>
8        <p>Booking Status: Available</p>
9        <button>Book Ticket</button>
10       <br /><br />
11       <button onClick={props.click}>Logout</button>
12     </div>
13   );
14 };
15
16 export default User;
17
```

App.js

```
JS App.js  X  JS Guest.js  JS User.js
src > JS App.js > ...
1  import React, { Component } from 'react';
2  import Guest from './components/Guest';
3  import User from './components/User';
4
5  class App extends Component {
6    constructor() {
7      super();
8      this.state = {
9        isLoggedIn: false
10     };
11   }
12
13   loginHandler = () => {
14     this.setState({ isLoggedIn: true });
15   };
16
17   logoutHandler = () => {
18     this.setState({ isLoggedIn: false });
19   };
20
21   render() {
22     let page;
23     if (this.state.isLoggedIn) {
24       page = <User click={this.logoutHandler} />;
25     } else {
26       page = <Guest click={this.loginHandler} />;
27     }
28
29     return (
30       <div style={{ padding: '40px', fontFamily: 'Arial', textAlign: 'center' }}>
31         <h1>Ticket Booking App</h1>
32         {page}
33       </div>
34     );
35   }
36 }
37
```

Output:

