

Week – 7

9. ReactJS-HOL

Create a React Application named “cricketapp” with the following components:

App.js

```
cricketapp > src > JS App.js > -
1  import React from 'react';
2  import ListOfPlayers from './components/ListOfPlayers';
3  import IndianPlayers from './components/IndianPlayers';
4  function App() {
5    const flag = true;
6
7    let componentToRender;
8
9    if (flag) {
10     componentToRender = <ListOfPlayers />;
11   } else {
12     componentToRender = <IndianPlayers />;
13   }
14   return (
15     <div className="App">
16       {componentToRender}
17     </div>
18   );
19 }
20
21 export default App;
22
```

webpack compiled successfully

ListOfPlayers.js

```
cricketapp > src > components > JS ListOfPlayers.js > ListOfPlayers
1  import React from 'react';
2  const ListOfPlayers = () => {
3    const players = [
4      { name: 'Virat Kohli', score: '85' },
5      { name: 'Rohit Sharma', score: '45' },
6      { name: 'KL Rahul', score: '72' },
7      { name: 'Shikhar Dhawan', score: '30' },
8      { name: 'Hardik Pandya', score: '95' },
9      { name: 'Ravindra Jadeja', score: '60' },
10     { name: 'Jack', score: '55' },
11     { name: 'J Cook', score: '78' },
12   ];
13   const below70 = players.filter(player => player.score < 70);
14   return (
15     <div>
16       <h2>List of Players</h2>
17       <ul>
18         {players.map((player, index) => (
19           <li key={index}> {player.name} - {player.score}</li>
20         ))}
21       </ul>
22       <hr />
23       <h2>List of Players who scored less than 70</h2>
24       <ul>
25         {below70.map((player, index) => (
26           <li key={index}> {player.name} - {player.score}</li>
27         ))}
28       </ul>
29     </div>
30   )
31 }
32 export default ListOfPlayers;
```

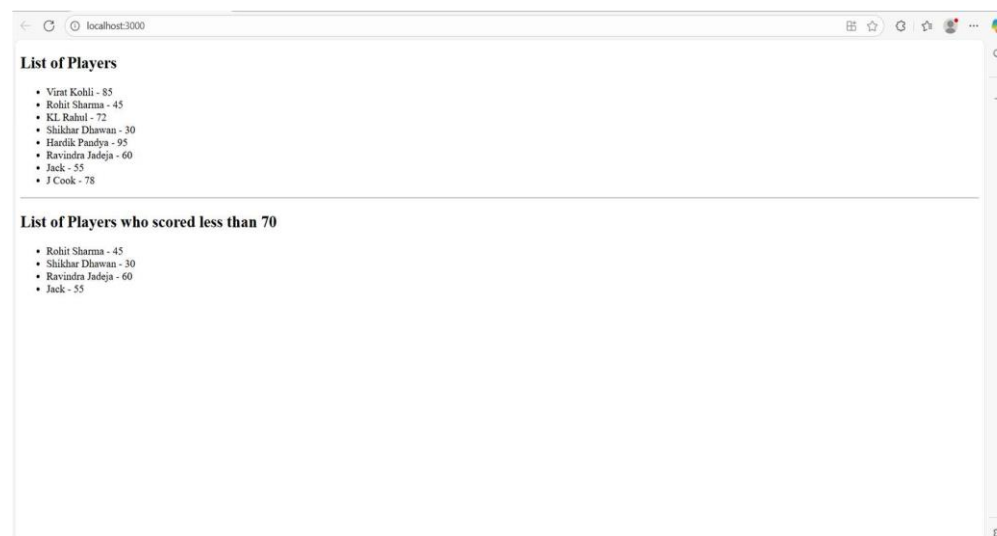
webpack compiled successfully

IndianPlayers.js

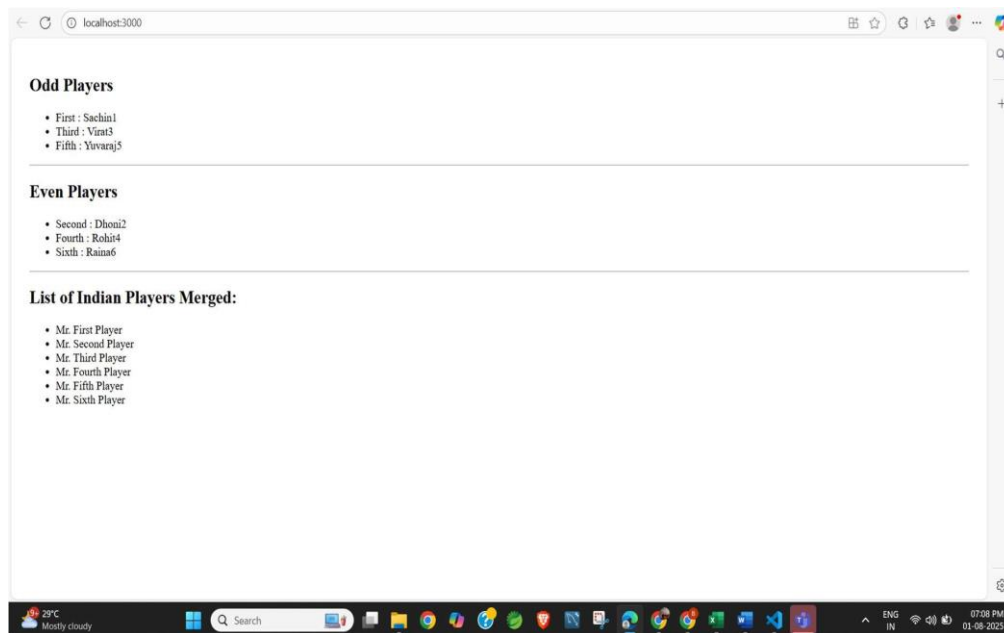
```
cricketapp > src > components > JS IndianPlayers.js > 80 IndianPlayers
1 import React from 'react';
2 const IndianPlayers = () => {
3   const allPlayers = [
4     'Sachin',
5     'Dhoni',
6     'Virat',
7     'Rohit',
8     'Yuvraj',
9     'Raina'
10  ];
11  const oddPlayers = allPlayers.filter((_, index) => index % 2 !== 0);
12  const evenPlayers = allPlayers.filter((_, index) => index % 2 === 0);
13  const T20Players = [
14    'Mr. First Player',
15    'Mr. Second Player',
16    'Mr. Third Player'
17  ];
18  const RanjiPlayers = [
19    'Mr. Fourth Player',
20    'Mr. Fifth Player',
21    'Mr. Sixth Player'
22  ];
23  const mergedPlayers = [...T20Players, ...RanjiPlayers];
24  return (
25    <div style={{ padding: '20px' }}>
26      <h2>Odd Players</h2>
27      <ul>
28        {oddPlayers.map((player, index) => (
29          <li key={index}>
30            {index === 0 ? 'First' : index === 1 ? 'Third' : 'Fifth'} : {player}
31          )
32        )}
33      </ul>
34    </div>
35  );
36 }
37 export default IndianPlayers;
```

```
cricketapp > src > components > JS IndianPlayers.js > 80 IndianPlayers
23 const mergedPlayers = [...T20Players, ...RanjiPlayers];
24 return (
25   <div style={{ padding: '20px' }}>
26     <h2>Odd Players</h2>
27     <ul>
28       {oddPlayers.map((player, index) => (
29         <li key={index}>
30           {index === 0 ? 'First' : index === 1 ? 'Third' : 'Fifth'} : {player}
31         </li>
32       )
33     )}
34   </ul>
35   <h2>Even Players</h2>
36   <ul>
37     {evenPlayers.map((player, index) => (
38       <li key={index}>
39         {index === 0 ? 'Second' : index === 1 ? 'Fourth' : 'Sixth'} : {player}
40       </li>
41     )
42   )}
43 </ul>
44 <h2>List of Indian Players Merged</h2>
45 <ul>
46   {mergedPlayers.map((player, index) => (
47     <li key={index}>{player}</li>
48   )
49 )}
50 </ul>
51 </div>
52 );
53 }
54 export default IndianPlayers;
```

Output 1:



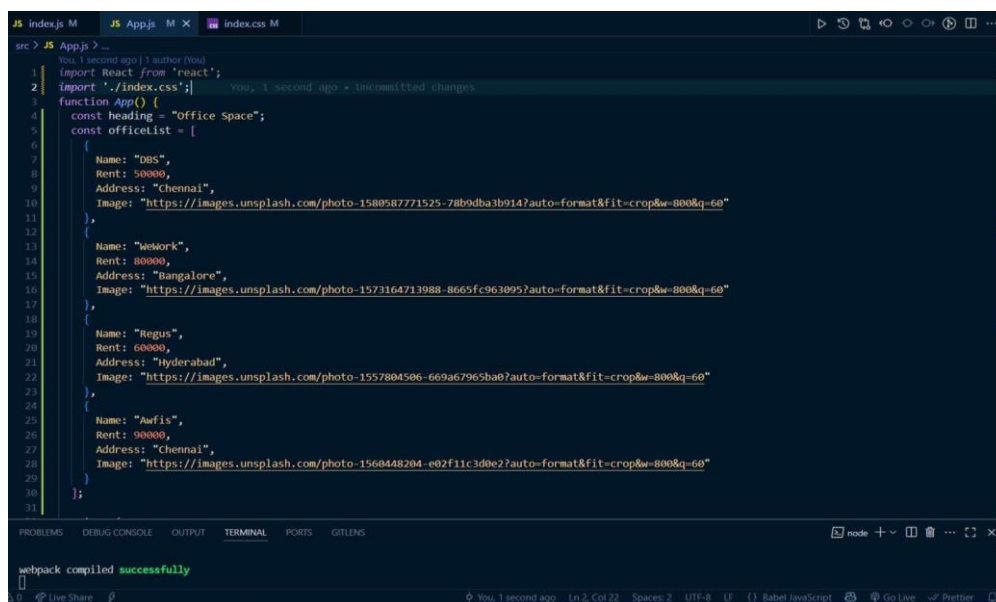
Output 2 :



10. ReactJS-HOL

Create a React Application named “officespacerentalapp” which uses React JSX to create elements, attributes and renders DOM to display the page.


App.js




localhost:3000

Office Space, at Affordable Range

Available Office Spaces:




Name: DBS
Rent: Rs. 50000
Address: Chennai




Name: WeWork

localhost:3000




Name: WeWork
Rent: Rs. 80000
Address: Bangalore




Name: Regus
Rent: Rs. 60000
Address: Hyderabad

localhost:3000



Name: Regus
Rent: Rs. 60000
Address: Hyderabad

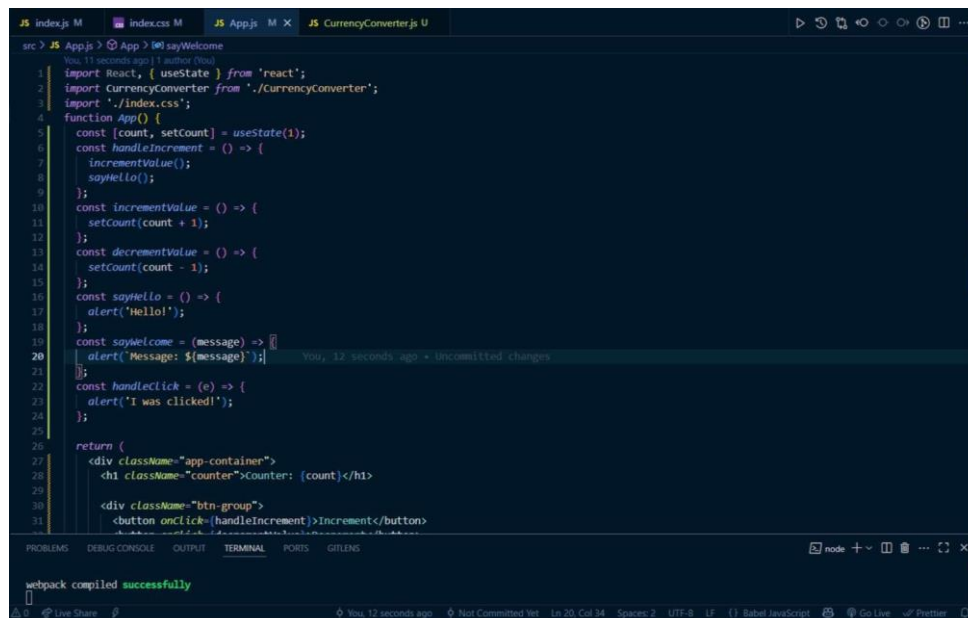


Name: Awfis
Rent: Rs. 90000
Address: Chennai

11. ReactJS-HOL

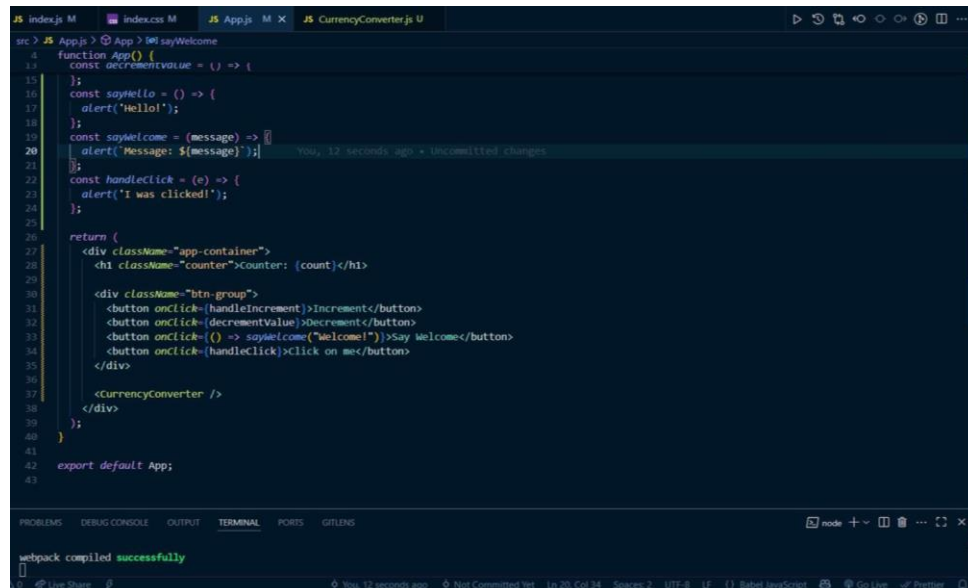
Create a React Application “eventexamplesapp” to handle various events of the form elements in HTML.

App.css



```
src > JS App.js > App > sayWelcome
You, 12 seconds ago · 1 author (You)
1 import React, { useState } from 'react';
2 import CurrencyConverter from './CurrencyConverter';
3 import './index.css';
4 function App() {
5   const [count, setCount] = useState(1);
6   const handleIncrement = () => {
7     incrementValue();
8     sayHello();
9   };
10  const incrementValue = () => {
11    setCount(count + 1);
12  };
13  const decrementValue = () => {
14    setCount(count - 1);
15  };
16  const sayHello = () => {
17    alert('Hello!');
18  };
19  const sayWelcome = (message) => {
20    alert('Message: ${message}');
21  };
22  const handleClick = (e) => {
23    alert('I was clicked!');
24  };
25
26  return (
27    <div className="app-container">
28      <h1 className="counter">Counter: {count}</h1>
29
30      <div className="btn-group">
31        <button onClick={handleIncrement}>Increment</button>
32      </div>
33    </div>
34  );
35}
36
37export default App;
```

webpack compiled successfully



```
src > JS App.js > App > sayWelcome
You, 12 seconds ago · 1 author (You)
14 function App() {
15   const [count, setCount] = useState(1);
16   const handleIncrement = () => {
17     incrementValue();
18     sayHello();
19   };
20   const incrementValue = () => {
21     setCount(count + 1);
22   };
23   const decrementValue = () => {
24     setCount(count - 1);
25   };
26   const sayHello = () => {
27     alert('Hello!');
28   };
29   const sayWelcome = (message) => {
30     alert('Message: ${message}');
31   };
32   const handleClick = (e) => {
33     alert('I was clicked!');
34   };
35
36  return (
37    <div className="app-container">
38      <h1 className="counter">Counter: {count}</h1>
39
40      <div className="btn-group">
41        <button onClick={handleIncrement}>Increment</button>
42        <button onClick={decrementValue}>Decrement</button>
43        <button onClick={() => sayWelcome('Welcome!')}>Say Welcome</button>
44        <button onClick={handleClick}>Click on me</button>
45      </div>
46
47      <CurrencyConverter />
48    </div>
49  );
50}
51
52export default App;
```

webpack compiled successfully

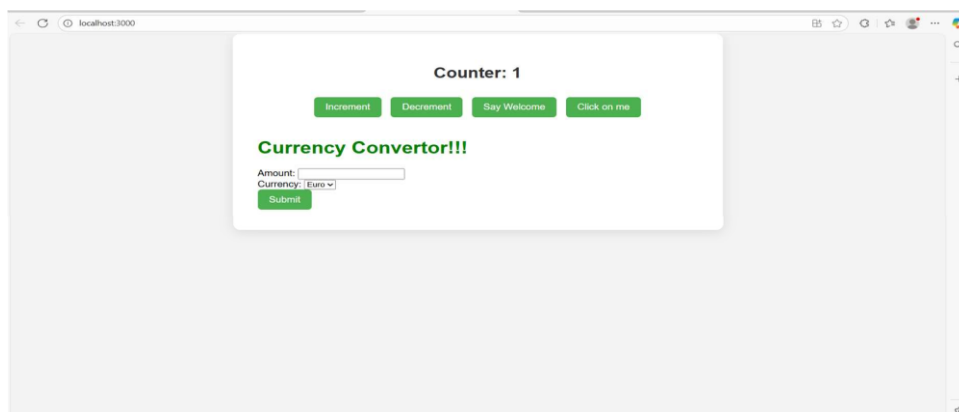
CurrencyConverter.js

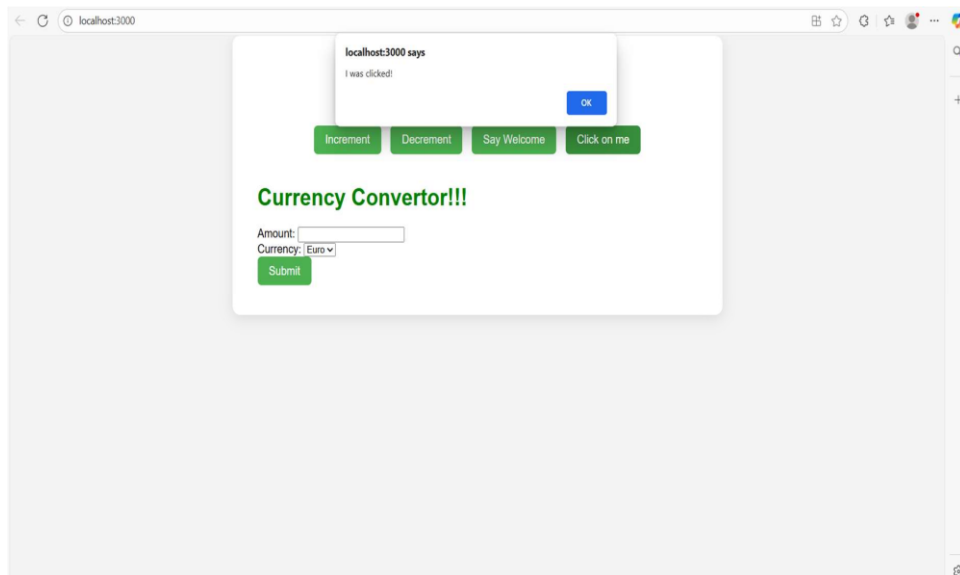
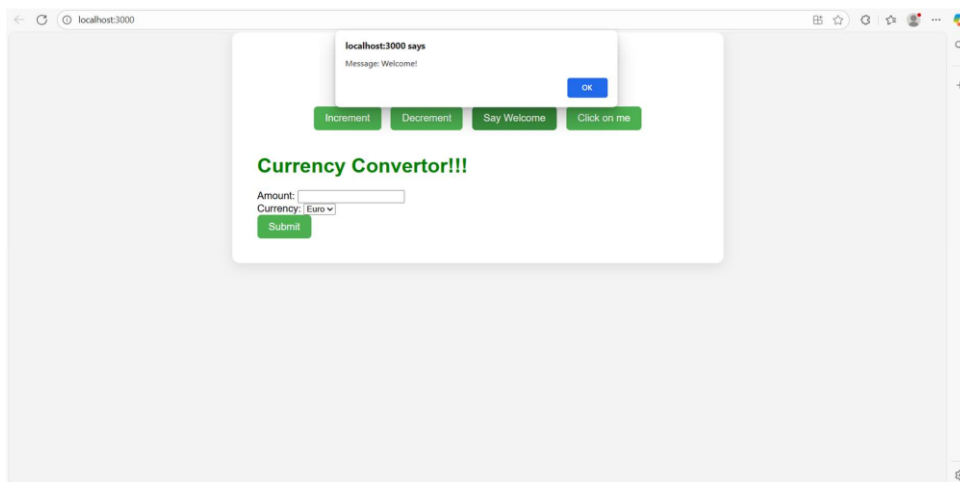
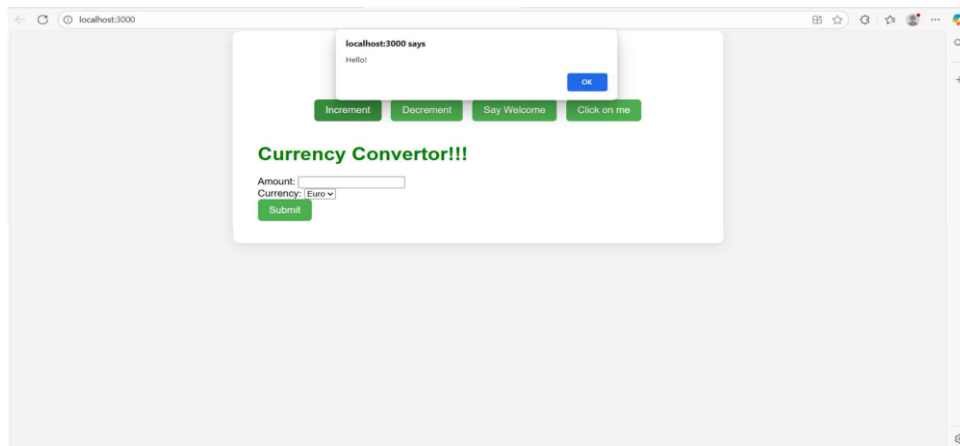
```
src > JS CurrencyConverter.js > CurrencyConverter
1 import React, { useState } from 'react';
2 function CurrencyConverter() {
3   const [amount, setAmount] = useState('');
4   const [currency, setCurrency] = useState('Euro');
5   const handleSubmit = (e) => {
6     e.preventDefault();
7     if (currency === 'Euro') {
8       const converted = amount * 80;
9       alert('Converting to ${currency} Amount is ${converted}');
10    }
11  };
12  return (
13    <div style={{ marginTop: '40px' }}>
14      <h1 style={{ color: 'green' }}>Currency Converter!!!</h1>
15      <form onSubmit={handleSubmit}>
16        <label>Amount: </label>
17        <input
18          type="number"
19          value={amount}
20          onChange={e => setAmount(e.target.value)}
21        />
22        <br />
23        <label>Currency: </label>
24        <select value={currency} onChange={e => setCurrency(e.target.value)}>
25          <option value="Euro">Euro</option>
26        </select>
27        <br />
28        <button type="submit">Submit</button>
29      </form>
30    </div>
31  );
32 }
```

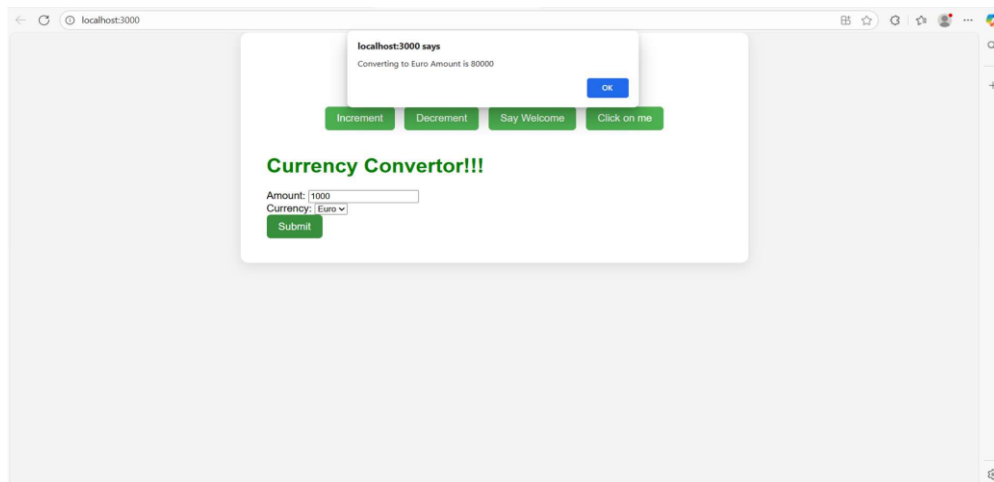
Index.css

```
src > JS index.css > btn-group
1 body {
2   font-family: Arial, sans-serif;
3   background-color: #f3f3f3;
4   margin: 0;
5   padding: 0;
6 }
7
8 .app-container {
9   max-width: 700px;
10  margin: auto;
11  padding: 40px;
12  background-color: #fff;
13  border-radius: 12px;
14  box-shadow: 0 5px 20px rgba(0, 0, 0, 0.1);
15 }
16
17 .counter {
18   text-align: center;
19   color: #333;
20   font-size: 28px;
21   margin-bottom: 30px;
22 }
23
24 .btn-group {
25   display: flex;
26   flex-wrap: wrap;
27   justify-content: center;
28   gap: 15px;
29   margin-bottom: 40px;
30 }
31
32 button {
33   padding: 10px 18px;
34   font-size: 16px;
35   border: none;
36   background-color: #4caf50;
37 }
```

Output







12. ReactJS-HOL

Create a React Application named “ticketbookingapp” where the guest user can browse the page where the flight details are displayed whereas the logged in user only can book tickets.

App.js

```

JS App.js > ...
You: 17 seconds ago | 1 author (You)
import React, { useState } from 'react';
import Greeting from './Greeting';
import LoginButton from './LoginButton';
import LogoutButton from './LogoutButton';

function App() {
  const [isLoggedIn, setIsLoggedIn] = useState(false);
  const handleLogin = () => {
    setIsLoggedIn(true);
  };
  const handleLogout = () => {
    setIsLoggedIn(false);
  };
  return (
    <div className="App" style={{ padding: '30px', fontFamily: 'Arial' }}>
      <h1>Ticket Booking Portal</h1>
      <Greeting isLoggedIn={isLoggedIn} />
      {isLoggedIn ? (
        <LogoutButton onClick={handleLogout} />
      ) : (
        <LoginButton onClick={handleLogin} />
      )}
    </div>
  );
}

export default App;

```

ack compiled successfully

Greeting.js

```
src > JS Greeting.js > ...
1 import React from 'react';
2 import UserGreeting from './UserGreeting';
3 import GuestGreeting from './GuestGreeting';
4
5 function Greeting(props) {
6   const isLoggedIn = props.isLoggedIn;
7   if (isLoggedIn) {
8     return <UserGreeting />;
9   }
10  return <GuestGreeting />;
11 }
12
13 export default Greeting;
14
```

webpack compiled successfully

GuestGreeting.js

```
src > JS GuestGreeting.js > GuestGreeting
1 import React from 'react';
2
3 function GuestGreeting() {
4   return (
5     <div>
6       <h2>Welcome, Guest!</h2>
7     </div>
8   );
9 }
10
11 export default GuestGreeting;
12
```

webpack compiled successfully

LoginButton.js

```
src > JS LoginButton.js > ...
1 import React from 'react';
2
3 function LoginButton(props) {
4   return (
5     <button onClick={props.onClick} style={buttonStyle}>
6       Login
7     </button>
8   );
9 }
10
11 const buttonStyle = {
12   padding: '10px 20px',
13   backgroundColor: '#8BC34A',
14   color: 'white',
15   border: 'none',
16   borderRadius: '5px',
17   cursor: 'pointer',
18   margin: '20px'
19 };
20
21 export default LoginButton;
22
```

webpack compiled successfully

LogoutButton.js

```
src > JS LogoutButton.js > ...
1 import React from 'react';
2
3 function LogoutButton(props) {
4   return (
5     <button onClick={props.onClick} style={buttonStyle}>
6       Logout
7     </button>
8   );
9 }
10
11 const buttonStyle = {
12   padding: '10px 20px',
13   backgroundColor: '#f44336',
14   color: 'fff',
15   border: 'none',
16   borderRadius: '6px',
17   cursor: 'pointer',
18   margin: '20px 0';
19 };
20
21 export default LogoutButton;
22
```

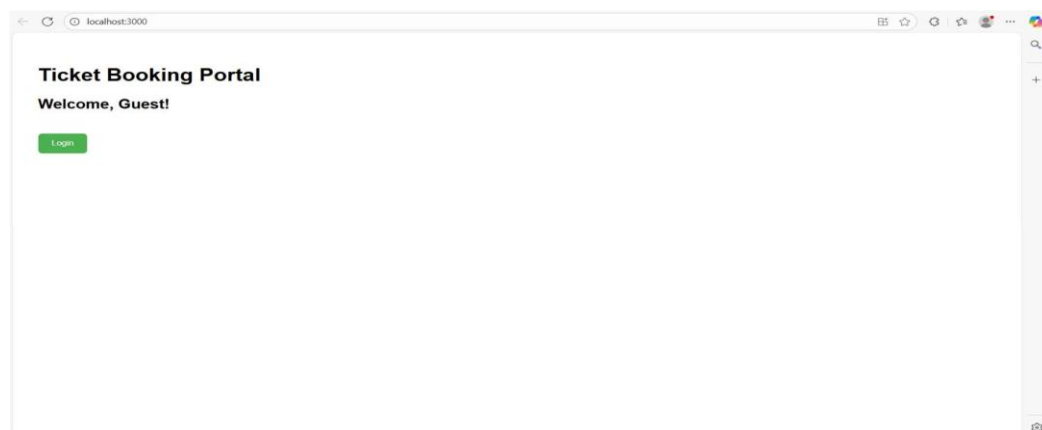
webpack compiled successfully

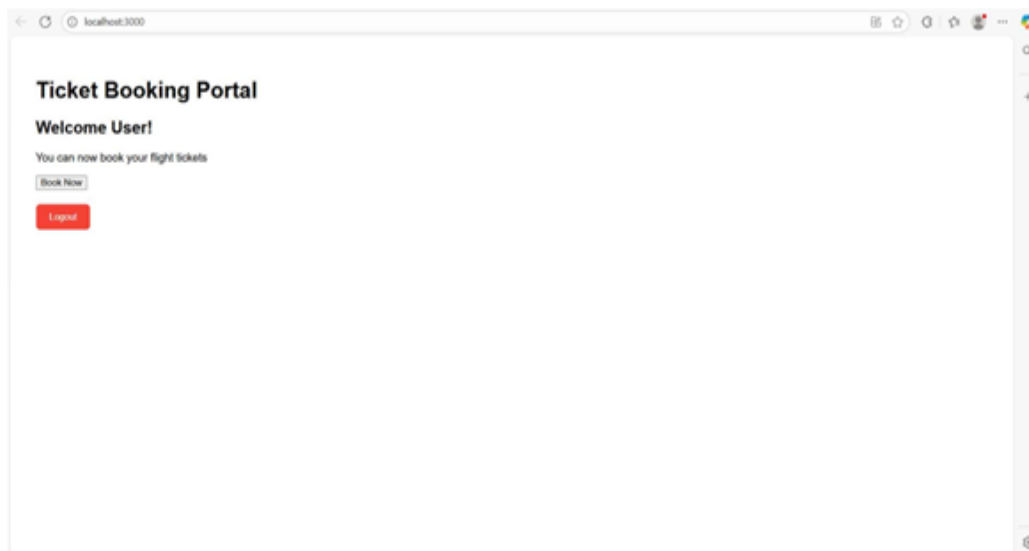
UserGreetings.js

```
src > JS UserGreetings.js > ...
1 import React from 'react';
2
3 function UserGreeting() {
4   return (
5     <div>
6       <h2>Welcome User!</h2>
7       <p>You can now book your flight tickets </p>
8       <button>Book Now</button>
9     </div>
10   );
11 }
12
13 export default UserGreeting;
14
```

webpack compiled successfully

Output





13. ReactJS-HOL

Create a React App named “bloggerapp” in with 3 components.

App.js

```
JS index.js M JS App.js M X JS BookDetails.js U JS BlogDetails.js U JS CourseDetails.js U index.css M
src > JS App.js > ...
1 import React, { useState } from 'react';
2 import BookDetails from './components/BookDetails';
3 import BlogDetails from './components/BlogDetails';
4 import CourseDetails from './components/CourseDetails';
5 import './index.css';
6 function App() {
7   const [currentView, setCurrentView] = useState('book');
8   return (
9     <div className="app-container">
10       <h1>Blogger App</h1>
11
12       <div className="button-group">
13         <button onClick={() => setCurrentView('book')}>Book Details</button>
14         <button onClick={() => setCurrentView('blog')}>Blog Details</button>
15         <button onClick={() => setCurrentView('course')}>Course Details</button>
16       </div>
17
18       <div className="card">
19         {currentView === 'book' && <BookDetails />}
20         {currentView === 'blog' && <BlogDetails />}
21         {currentView === 'course' && <CourseDetails />}
22       </div>
23     </div>
24   );
25 }
26
27 export default App;
28
```

webpack compiled successfully

BlogDetails.js

```
src > components > JS BlogDetails.js >
1 import React from 'react';
2 function BlogDetails() {
3   const blogs = [
4     { id: 1, title: 'React vs Vue', author: 'Raman Jony' },
5     { id: 2, title: 'Async in JS', author: 'Jack Jony' },
6   ];
7   return (
8     <div>
9       <h2> Blog Details</h2>
10      <ul>
11        {blogs.length > 0 ? (
12          blogs.map(blog) => (
13            <li key={blog.id}>
14              <h3>{blog.title}</h3>
15              <p>Author: {blog.author}</p>
16            </li>
17          ) : (
18            <p>No blogs available</p>
19          )}
20        </ul>
21      </div>
22    );
23  }
24  export default BlogDetails;
```

webpack compiled successfully

BookDetails.js

```
src > components > JS BookDetails.js >
1 import React from 'react';
2 function BookDetails() {
3   const books = [
4     { id: 1, bname: 'React for Beginners', price: '$499' },
5     { id: 2, bname: 'Mastering JavaScript', price: '$699' },
6   ];
7   return (
8     <div>
9       <h2> Book Details</h2>
10      <ul>
11        {books.map(book) => (
12          <li key={book.id}>
13            <h3>{book.bname}</h3>
14            <h4>{book.price}</h4>
15          </li>
16        )}
17      </ul>
18    </div>
19  );
20  export default BookDetails;
```

webpack compiled successfully

CourseDetails.js

```
src > components > JS CourseDetails.js >
1 import React from 'react';
2 function CourseDetails() {
3   const showCourse = true;
4   return (
5     <div>
6       <h2> Course Details</h2>
7       {
8         showCourse
9         ? <p>Full Stack Development - 6 Months</p>
10        : <p>No course available</p>
11      }
12     </div>
13   );
14   export default CourseDetails;
```

webpack compiled successfully

Index.css

```
src > index.css > body
1 body {
2   margin: 0;
3   font-family: 'Segoe UI', sans-serif;
4   background-color: #f7f9fc;
5 }
6
7 .app-container {
8   max-width: 800px;
9   margin: 40px auto;
10  padding: 30px;
11  background: white;
12  border-radius: 12px;
13  box-shadow: 0 4px 12px rgba(0, 0, 0, 0.1);
14 }
15 h1 {
16   text-align: center;
17   color: #333;
18   margin-bottom: 30px;
19 }
20 .button-group {
21   display: flex;
22   justify-content: center;
23   gap: 15px;
24   margin-bottom: 30px;
25 }
26 .button-group button {
27   padding: 10px 16px;
28   background-color: #d4c0f5;
29   color: white;
30   border: none;
31   border-radius: 8px;
32   cursor: pointer;
33 }
```

webpack compiled successfully

Output

