Hands-on 7

Objectives

- Define Props
- Explain Default Props
- Identify the differences between State and Props
- Explain reactDOM.render()

In this hands-on lab, you will learn how to:

- Use Props
- Apply reactDOM.render()

Prerequisites

The following is required to complete this hands-on lab:

- Node.js
- NPM
- Visual Studio Code

Notes

Estimated time to complete this lab: **60 minutes.**

Create a React Application named "shoppingapp" with a class component named "OnlineShopping" and "Cart".

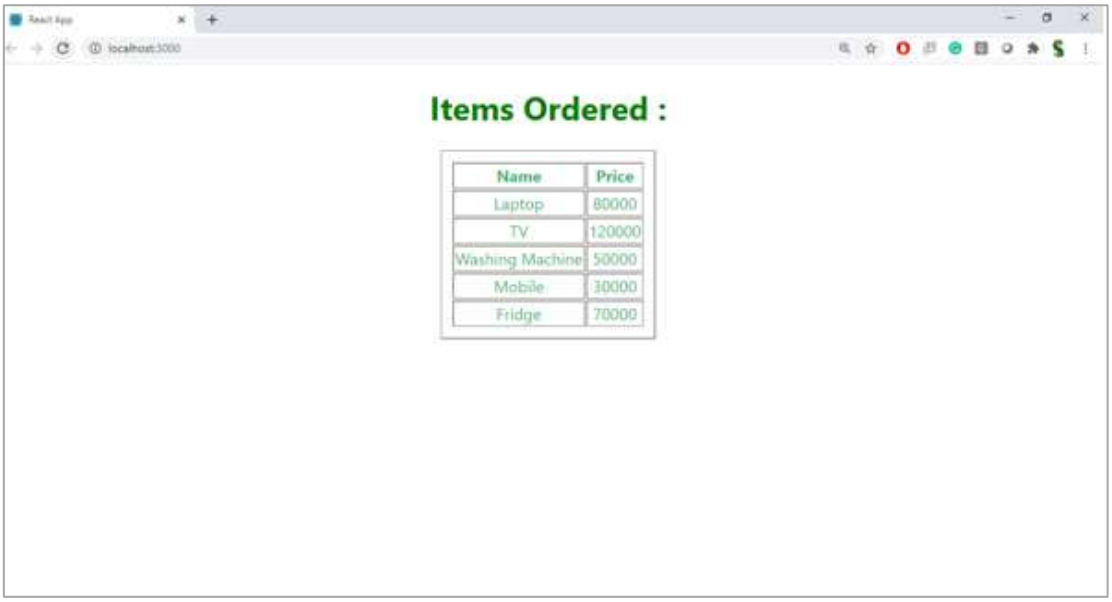
1. **In Cart class, create 2 properties as mentioned below:**
   - **Itemname**
   - **Price**

```
{this.props.item.map((item)=>
                        {
                       return(
                        <tr>
                            <td> {item.itemname} </td>
                            <td> {item.price} </td>
                        </tr>
                           )})
                }
```

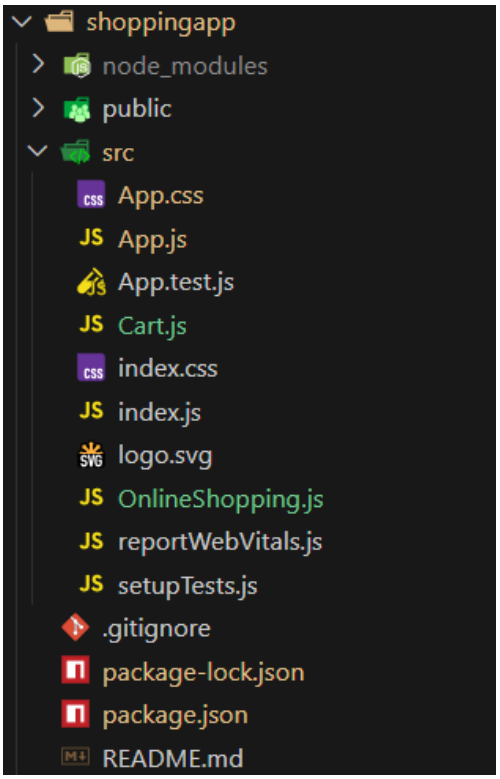
2. **In OnlineShopping class, create an array of Cart and initialize 5 items.**

```
export class OnlineShopping extends React.Component {
    render() {
      const CartInfo =[{itemname:"Laptop", price: 80000},
                       {itemname:"TV",price:120000},
                       {itemname:"Washing Machine",price:50000},
                       {itemname:"Mobile",price:30000},
                       {itemname:"Fridge",price:70000}];
      return (
        <div className="mydiv">
        <h1>Items Ordered :</h1>
        <Cart item={CartInfo} />
        </div>
      );
    }
```

3. **Loop through these items and display the data as shown below:**



Implementation



App.js

```
import React from 'react';
import './App.css';
import { OnlineShopping } from './OnlineShopping';

function App() {
  return (
    <div className="App">
      <OnlineShopping />
    </div>
  );
}

export default App;
```

App.css

```
.green-text {
  color: green;
}
```

Cart.js

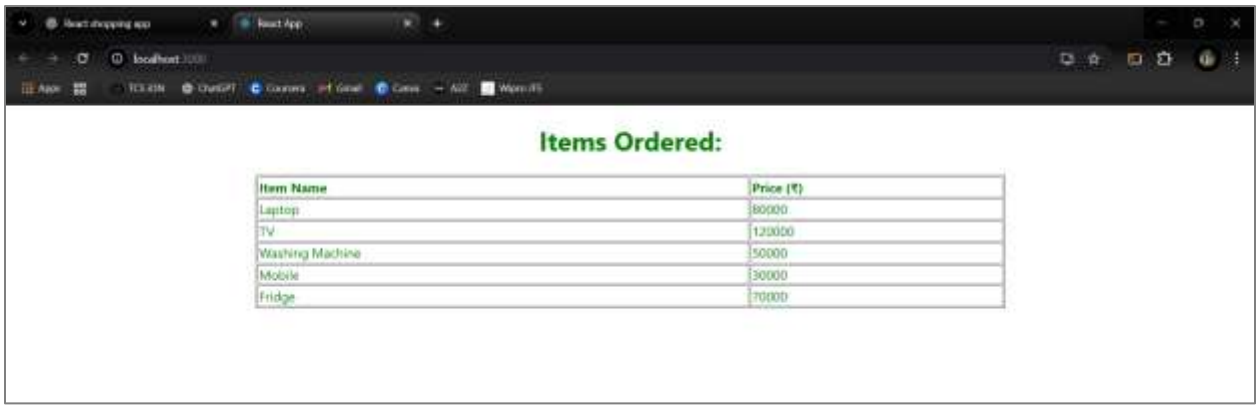
```
import React from 'react';
export class Cart extends React.Component {
  render() {
    return (
      <table className="green-text" border="1" style={{ width: "60%", margin: "auto", textAlign: "left"
}}>
        <thead>
          <tr>
            <th>Item Name</th>
            <th>Price (₹)</th>
          </tr>
        </thead>
        <tbody>
          {
            this.props.item.map((item, index) =>
              <tr key={index}>
                <td>{item.itemname}</td>
                <td>{item.price}</td>
              </tr>
            )
          }
        </tbody>
      </table>
    );
  }
}
```

OnlineShopping.js

```
import React from 'react';
import { Cart } from './Cart';

export class OnlineShopping extends React.Component {
  render() {
    const CartInfo = [
      { itemname: "Laptop", price: 80000 },
      { itemname: "TV", price: 120000 },
      { itemname: "Washing Machine", price: 50000 },
      { itemname: "Mobile", price: 30000 },
      { itemname: "Fridge", price: 70000 }
    ];
    return (
      <div className="mydiv">
        <h1 className="green-text" style={{ textAlign: "center" }}>Items Ordered:</h1>
        <Cart item={CartInfo} />
      </div>
    );
  }
}
```

Output:


Items Ordered:
Item Name
Price (₹)
Laptop
80000
TV
120000
Washing Machine
50000
Mobile
30000
Fridge
70000