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	Date:/11/2021	Unit 3 Assignment Exercise

PROBLEM STATEMENT2 (for even number SRNs):

Create a complex component that will render 3 food item images, name of food, price. Create a form input to take the quantity from the user When the quantity of the item is entered the total cost of the order summary needs to be calculated and displayed at the bottom.

OBJECTIVE

The objective of this exercise is to test the student on front end frame work React JS. It evaluates the student's knowledge React Js components, ReactJS props and state, ReactJS Lists and Keys, React JS events

PREREQUISITE

In order to complete this exercise, the student needs to understand the fundamentals of HTML,CSS, and JavaScript

SAMPLE SCREENSHOT OF OUTPUT (Just for your reference)

SAMPLE1:

Name: Pizza

Price: 150 INR

Qty:

Name: Pizza

Price: 100 INR

Qty: 1

Name: Pizza

Price: 100 INR

Qty: 2

Total: 300 INR

Order Summary:

Your Total Bill Summary is 300 INR

PROGRAM: PROGRAM

```
<html>
  <head>
    <html>
      <head>
        <title></title>
        <script
          crossorigin

src="https://unpkg.com/react@16/umd/react.development.js"
        ></script>
        <script
          crossorigin
```

```
          src="https://unpkg.com/react-dom@16/umd/react-
dom.development.js"
        ></script>
        <script src="https://unpkg.com/babel-
standalone@6.15.0/babel.min.js"></script>
      </head>
      <body>
        <style>
          body {
            font-family: "Lucida Console", "Courier New",
monospace;
          }
          .d1 {
            background-color: #aa2ee6;
            padding: 20px;
            float: left;
            display: grid;
          }
          .d2 {
            background-color: #ff79cd;
            padding: 20px;
            float: right;
            display: grid;
          }
          .d3 {
            background-color: #ffdf6b;
            padding: 20px;
            display: grid;
          }
          .i1 {
            width: 400px;
            height: 400px;
          }
          .i2 {
            width: 400px;
            height: 400px;
          }
          .i3 {
```

```
            width: 400px;
            height: 400px;
          }
          #root {
            position: absolute;
            display: flex;
          }
        </style>
        <div id="root"></div>
        <script type="text/babel">
          class Pizza extends React.Component {
            render() {
              return (
                <div className="d1">
                  <img src="pizza.jpg" className="i1"></img>
                  <h1>{this.props.value[0]}</h1>
                  <h2>Price : {this.props.value[1]} </h2>
                  <h2 onChange={this.props.onBill}>
                    {" "}
                    Quantity : {this.props.value[2]}{" "}
                  </h2>
                  <button
                    type="button"
                    onClick={() => {
                      this.props.onQuantity(this.props);
                    }}
                  >
                    {" "}
                    +{" "}
                  </button>
                </div>
              );
            }
          }

          class Ice extends React.Component {
            render() {
              return (
```

```
            <div className="d2">
              <img src="ice.jpg" className="i2"></img>
              <h1>{this.props.value[0]} </h1>
              <h2> Price : {this.props.value[1]} </h2>
              <h2 onChange={this.props.onBill}>
                {" "}
                Quantity : {this.props.value[2]}{" "}
              </h2>
              <button
                type="button"
                onClick={() => {
                  this.props.onQuantity(this.props);
                }}
              >
                {" "}
                +{" "}
              </button>
            </div>
          );
        }
      }
      class Cake extends React.Component {
        render() {
          return (
            <div className="d3">
              <img src="cake.jpg" className="i3"></img>
              <h1>{this.props.value[0]} </h1>
              <h2> Price : {this.props.value[1]} </h2>
              <h2 onChange={this.props.onBill}>
                {" "}
                Quantity : {this.props.value[2]}{" "}
              </h2>
              <button
                type="button"
                onClick={() => {
                  this.props.onQuantity(this.props);
                }}
              >
```

```
                {" "}
                +{" "}
              </button>
            </div>
          );
        }
      }

      class Main extends React.Component {
        state = {
          pizza: ["Pizza", 150, 0],
          ice: ["Ice-cream", 100, 0],
          cake: ["Dark-chocolate", 200, 0],
          total: 0,
        };

        handleQuantity = (p) => {
          let a = p.value;
          a[2] = a[2] + 1;
          this.setState({ a: [a[0], a[1], a[2]] });
        };
        handleBill = () => {
          var sum = 0;
          for (let i in this.state) {
            let a = this.state[i];
            if (a[2] != 0) {
              sum = sum + a[1] * a[2];
              return sum;
            }
          }
        };
        render() {
          return (
            <div>
              <div>
                <Pizza
                  value={this.state.pizza}
                  onQuantity={this.handleQuantity}
```

```
                        onBill={this.handleBill}
                      />
                      <Ice
                        value={this.state.ice}
                        onQuantity={this.handleQuantity}
                        onBill={this.handleBill}
                      />
                      <Cake
                        value={this.state.cake}
                        onQuantity={this.handleQuantity}
                        onBill={this.handleBill}
                      />
                    </div>
                    <div>
                      <h2>The Total bill is : &#8377;
{this.handleBill()}</h2>
                    </div>
                  </div>
                );
              }
            }
            ReactDOM.render(<Main />,
document.getElementById("root"));
          </script>
        </body>
      </html>
    </head>
</html>
```

SCREENSHO6T OF YOUR OUTPUT