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	Date:29/10/2021	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. Add styling using CSS modules in which all class names are scoped locally by default.
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

```html
<!DOCTYPE html>
<html>

<head>
    <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>
    <style>
        html,
        body {
            margin: 0;
            height: 100%;
```

```
        }

        body {
            background: linear-gradient(#cccccc, #777777);
        }

    </style>
</head>

<body>
    <div class="main" style="padding-top : 10px"></div>
    <div class="bill" style="padding : 5px;"></div>
    <script type="text/babel">
        class Food extends React.Component {
            render() {
                return (
                    <div class="fooditem">
                        <div class="image">
                            <img src={this.props.image}></img>
                        </div>
                        <div class="name">
                            <span>Name : {this.props.name}</span>
                        </div>
                        <div class="price">
                            <span>Price : Rs.{this.props.price}</span>
                        </div>
                        <div class="qty">
                            <Form num={this.props.num}></Form>
                        </div>
                    </div>
                )
            }
        }
        class Form extends React.Component {
            Change(element) {
                /*console.log(document.querySelectorAll("").length)*/
                var forms = document.querySelectorAll(".inp_qty")
                var qty_0 = forms[0].value * 1;
                var qty_1 = forms[1].value * 1;
                var qty_2 = forms[2].value * 1;
                var final_quantity = qty_0 + qty_1 + qty_2;
                var final_price = qty_0 * 150 + qty_1 * 280 + qty_2 * 100;
```

```
                document.querySelector(".total_qty").textContent =
(final_quantity);
                document.querySelector(".total_price").textContent =
(final_price);
            }
            handleChange(event) {
                this.setState({ value: event.target.value });
            }
            render() {
                return (
                    <form onChange={this.Change}>
                        <input class="inp_qty" type="number" min="0"
placeholder="Enter Quantity" num={this.props.num} />
                    </form>
                )
            }
        }
        class Bill extends React.Component {
            render() {
                return (
                    <div class="main_bill">
                        <div class="bill_title">
                            <span>BILL</span>
                        </div>
                        <div class="final_display">
                            Total Quantity : <span class="total_qty">0</span>
                        </div>
                        <div class="final_display">
                            Total Price : Rs.<span class="total_price">0</span>
                        </div>
                    </div>
                )
            }
        }
        ReactDOM.render(
            <div class="mainReact">
                <Food name="Pizza" price="150" image="food_01.jfif"
num="1"></Food>
                <Food name="Biryani" price="280" image="food_02.jfif"
num="2"></Food>
                <Food name="Ice Cream" price="100" image="food_03.jfif"
num="3"></Food>
```

```
        </div>, document.querySelector(".main")
    )
    ReactDOM.render(
        <div class="bill_container">
            <Bill></Bill>
        </div>, document.querySelector(".bill")
    )
</script>
<style>
    .fooditem {
        display: grid;
        grid-template-rows: auto auto auto;
        border-radius: 12px;
        width: 300px;
        height: 460px;
        margin: 40px;
        margin-top: 10px;
        margin-bottom: 0px;
        background: linear-gradient(#999999, #777777);
    }

    .image {
        display: flex;
        align-items: center;
        justify-content: center;
        height: 240px;
    }

    .image img {
        max-width: 250px;
        height: 180px;
        padding: 0px;
        border-radius: 10px;
    }

    .mainReact {
        display: flex;
        align-items: center;
        justify-content: center;
    }

    .name,
```

```css
        .price,
        .qty {
            text-align: center;
            align-items: center;
            display: flex;
            justify-content: center;
            margin: 7px;
        }

        .name span,
        .price span {
            font-size: 18px;
            background-color: #FFFFFF;
            width: 200px;
            height: 38px;
            align-items: center;
            display: flex;
            justify-content: center;
            border-radius: 5px;
        }

        .inp_qty {
            font-size: 16px;
            width: 130px;
            padding: 5px;
            margin-bottom: 20px;
            margin-top: 6px;
            margin-bottom: 20px;
            border-radius: 5px;
            text-align: center;
        }

        .bill_container {
            display: flex;
            align-items: center;
            justify-content: center;
            margin-top: 20px;
        }

        .main_bill {
            background: linear-gradient(#666666, #404040);
            width: 1000px;
```

```css
            height: 300px;
            border-radius: 10px;
            display: grid;
            align-items: center;
            justify-content: center;
            grid-template-rows: auto auto auto auto;
            border: solid black 1px;
        }

        .bill_title {
            font-size: 26px;
            font-weight: 550;
            border-radius: 10px;
            padding: 5px 20px 5px 20px;
            text-align: center;
            align-items: center;
            justify-content: center;
            color: white;
            font-family: 'Lucida Sans', 'Lucida Sans Regular', 'Lucida Grande',
'Lucida Sans Unicode', Geneva, Verdana, sans-serif
        }

        tr,
        td {
            text-align: center;
            align-items: center;
        }

        .final_display {
            text-align: center;
            align-items: center;
            font-size: 28px;
            color: black;
            padding: 15px;
            border-radius: 8px;
            max-width: 900px;
            min-width: 500px;
            background: linear-gradient(#888888, #aaaaaa, #888888);
        }

    </style>
</body>
```

```
</html>
```

SCREENSHOT OF YOUR OUTPUT