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| **Name: Adithya M** | **SRN:PES1UG20CS621** | **Section: K** |
| **Date:/11/2021** | **Unit 3 Assignment Exercise** |

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| 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: |
| 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 |
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