5a

```html
<html>
<head>
  <title>Popcorn Order Form</title>
  <script>
  function validateForm() {
      var name = document.getElementById("name").value;
      var address = document.getElementById("address").value;
      if (name === "" || address === "") {
        alert("Please enter your name and address.");
        return false;
      }


      var quantities = document.getElementsByClassName("quantity");
      for (var i = 0; i < quantities.length; i++) {
        var quantity = quantities[i].value;
        if (isNaN(quantity) || quantity <= 0) {
          alert("Please enter a valid quantity for all products.");
          return false;
        }
      }
      return true;
  }
    function calculateTotal() {
      var products = [
        { id: "small", price: 100 },
        { id: "medium", price: 70 },
        { id: "large", price: 50 }
      ];
  var total = 0;
      products.forEach(product => {
        let quantity = document.getElementById(product.id).value;
        let subtotal = quantity * product.price;
        document.getElementById(product.id + "Total").innerText = "$" + subtotal;
        total += subtotal;
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      });

      document.getElementById("grandTotal").innerText = "$" + total;

    }


    function clearForm() {

      document.getElementById("orderForm").reset();

      document.getElementById("smallTotal").innerText = "$0";

      document.getElementById("mediumTotal").innerText = "$0";

      document.getElementById("largeTotal").innerText = "$0";

      document.getElementById("grandTotal").innerText = "$0";

    }


  </script>
</head>
<body>
  <h2>Sales Order Form</h2>
  <form name="myForm" onsubmit="return validateForm()" method="get" action="5b.html">
    <table>
      <tr>
        <td>Name:</td>
        <td><input type="text" id="name" name="name"></td>
      </tr>
      <tr>
        <td>Address:</td>
        <td><input type="text" id="address" name="address" required></td>
      </tr>
   <tr>
        <td>City, State, Zip:</td>
        <td><input type="text" name="cityStateZip" required></td>
      </tr>

    </table>

    <h3>Order Details</h3>
    <table border="1">
```

```html
    <tr>
      <th>Product</th>
      <th>Price</th>
      <th>Quantity</th>
      <th>Total</th>
    </tr>
    <tr>
      <td>Caramel Popcorn</td>
      <td>$100</td>
      <td><input type="text" id="small" size="2" value="0" oninput="calculateTotal()" name="Caramel"></td>
      <td id="smallTotal">$0</td>
    </tr>
    <tr>
      <td>Cheese Popcorn</td>
      <td>$70</td>
      <td><input type="text" id="medium" size="2" value="0" oninput="calculateTotal()" name="Cheese"></td>
      <td id="mediumTotal">$0</td>
    </tr>
    <tr>
      <td>Butter Popcorn</td>
      <td>$50</td>
      <td><input type="text" id="large" size="2" value="0" oninput="calculateTotal()" name="Butter"></td>
      <td id="largeTotal">$0</td>
    </tr>
    <tr>
      <td colspan="3"><strong>Grand Total</strong></td>
      <td id="grandTotal">$0</td>
    </tr>
</table>

<h3>Payment Method</h3>
<input type="radio" name="payment" value="credit" required> Credit Card
<input type="radio" name="payment" value="debit"> Debit Card
<input type="radio" name="payment" value="paypal"> PayPal
<input type="radio" name="payment" value="cash"> Cash on Delivery
```

```html
        <br><br>
        <button type="submit">Submit Order</button>
      <button type="button" onclick="clearForm()">Clear Order</button>
    </form>
</body>
</html>
```

5b

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Order Summary</title>
    <link rel="stylesheet" href="5a.html">
    <script>
        document.addEventListener("DOMContentLoaded", function() {
            // Fetching the URL parameters
            var urlParams = new URLSearchParams(window.location.search);

            // Collecting form data
            var formData = {
                Name: urlParams.get("name"),
                Address: urlParams.get("address"),
                City: urlParams.get("cityStateZip"),
                CarmelPopcorn: urlParams.get("Caramel"),
                CarmelNutPopcorn: urlParams.get("Cheese"),
                ToffeePopcorn: urlParams.get("Butter"),
                Payment: urlParams.get("payment")
            };

            // Displaying the data
            document.getElementById("name").innerText = formData.Name;
            document.getElementById("address").innerText = formData.Address;
            document.getElementById("city").innerText = formData.City;
            document.getElementById("carmelPopcorn").innerText = formData.CarmelPopcorn;
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```
            document.getElementById("carmelNutPopcorn").innerText = formData.CarmelNutPopcorn;

            document.getElementById("toffeePopcorn").innerText = formData.ToffeePopcorn;

            document.getElementById("payment").innerText = formData.Payment;

        });

    </script>

</head>

<body>

    <h2>Order Summary</h2>

    <p><strong>Name:</strong> <span id="name"></span></p>

    <p><strong>Address:</strong> <span id="address"></span></p>

    <p><strong>City:</strong> <span id="city"></span></p>

    <p><strong>Carmel Popcorn:</strong> <span id="carmelPopcorn"></span></p>

    <p><strong>Carmel Nut Popcorn:</strong> <span id="carmelNutPopcorn"></span></p>

    <p><strong>Toffee Nut Popcorn:</strong> <span id="toffeePopcorn"></span></p>

    <p><strong>Payment Method:</strong> <span id="payment"></span></p>

</body>

</html>
```