FORMS USING SERVLET

HTML CODE:

```html
<!DOCTYPE html>
<html lang="en">
<head>
        <meta charset="UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <title>Flowers Order Form</title>
        <link rel="stylesheet" href="styles.css">
</head>
<body style="font-size: 25px;">
        <h1 style="text-align: center;">FLOWERS ORDER FORM</h1>
        <form action="FlowerOrderServlet" method="post" onsubmit="return validateForm()">
        <h3>PERSONAL DETAILS</h3>
        <label for="name">NAME:</label><br>
        <input type="text" id="name" name="name"><br>
        <label for="phno">PHONE NO:</label><br>
        <input type="text" id="phno" name="phno"><br>
        <label for="mail">MAIL ID:</label><br>
        <input type="text" id="mail" name="mail"><br>

        <h3>BOUQUET DETAILS</h3>
        <label for="bouquetsize">BOUQUET SIZE:</label><br>
        <input type="checkbox" id="size1" name="bouquetSize" value="Large">
        <label for="size1">Large</label><br>
        <input type="checkbox" id="size2" name="bouquetSize" value="Medium">
        <label for="size2">Medium</label><br>
        <input type="checkbox" id="size3" name="bouquetSize" value="Small">
        <label for="size3">Small</label><br><br>

        <label for="flower">FLOWER TYPE:</label><br>
        <input type="checkbox" id="flo1" name="flowerType" value="Rose">
        <label for="flo1">Red Roses</label><br>
        <input type="checkbox" id="flo2" name="flowerType" value="Sunflower">
        <label for="flo2">Sun Flower</label><br>
        <input type="checkbox" id="flo3" name="flowerType" value="Anemone">
        <label for="flo3">Anemone</label><br>
        <input type="checkbox" id="flo4" name="flowerType" value="Ranunculus">
```

```html
<label for="flo4">Ranunculus</label><br>
<input type="checkbox" id="flo5" name="flowerType" value="Mixed">
<label for="flo5">Mixed Flowers</label><br><br>

<label for="colpref">COLOUR PREFERENCE:</label><br>
<input type="checkbox" id="cp1" name="colourPreference" value="Burylwood">
<label for="cp1">Burylwood</label><br>
<input type="checkbox" id="cp2" name="colourPreference" value="PaleGreen">
<label for="cp2">PaleGreen</label><br>
<input type="checkbox" id="cp3" name="colourPreference" value="Lavender">
<label for="cp3">Lavender</label><br>
<input type="checkbox" id="cp4" name="colourPreference" value="Zinwaldite">
<label for="cp4">Zinwaldite</label><br>
<label for="others">Specifications:</label><br>
<input type="text" id="others" name="others"><br><br>

<label for="occtype">OCCASION TYPE:</label><br>
<input type="checkbox" id="ot1" name="occasionType" value="Marriage">
<label for="ot1">Marriage</label><br>
<input type="checkbox" id="ot2" name="occasionType" value="Anniversary">
<label for="ot2">Anniversary</label><br>
<input type="checkbox" id="ot3" name="occasionType" value="BirthDay">
<label for="ot3">BirthDay</label><br>
<input type="checkbox" id="ot4" name="occasionType" value="GetWellSoon">
<label for="ot4">Get Well Soon</label><br>

<h3>DELIVERY ADDRESS DETAILS</h3>
<label for="doorno">DOOR NO:</label><br>
<input type="text" id="doorno" name="doorNo"><br>
<label for="stname">STREET NAME:</label><br>
<input type="text" id="stname" name="streetName"><br>
<label for="city">CITY:</label><br>
<input type="text" id="city" name="city"><br>
<label for="pin">PINCODE:</label><br>
<input type="text" id="pin" name="pin"><br><br>

<footer style="text-align: center;">
<input type="submit" value="Submit" class="button-border">
</footer>
</form>
```

```
</body>
</html>
```

CSS CODE:

```css
body {
        background-image: url("flower.PNG");
        background-size: cover;
        background-attachment: fixed;
}

.button-border {
        border: 10px solid rgb(143, 99, 67);
        font-size: 25px;
}
```

JAVA CODE:

```java
import java.io.IOException;
import java.io.PrintWriter;
import java.util.HashMap;
import java.util.Map;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

@WebServlet("/FlowerOrderServlet")
public class FlowerOrderServlet extends HttpServlet {
        private static final long serialVersionUID = 1L;

        // Pricing maps for bouquet size and flower type
        private static final Map<String, Integer> bouquetSizePrices = new HashMap<>();
        private static final Map<String, Integer> flowerTypePrices = new HashMap<>();

        static {
        bouquetSizePrices.put("Large", 50);
        bouquetSizePrices.put("Medium", 30);
```

```java
        bouquetSizePrices.put("Small", 20);

        flowerTypePrices.put("Rose", 10);
        flowerTypePrices.put("Sunflower", 8);
        flowerTypePrices.put("Anemone", 12);
        flowerTypePrices.put("Ranunculus", 15);
        flowerTypePrices.put("Mixed", 20);
        }

        protected void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();

        // Retrieve form parameters
        String name = request.getParameter("name");
        String phno = request.getParameter("phno");
        String mail = request.getParameter("mail");
        String[] bouquetSizes = request.getParameterValues("bouquetSize");
        String[] flowerTypes = request.getParameterValues("flowerType");
        String[] colourPreferences = request.getParameterValues("colourPreference");
        String others = request.getParameter("others");
        String[] occasionTypes = request.getParameterValues("occasionType");
        String doorNo = request.getParameter("doorNo");
        String streetName = request.getParameter("streetName");
        String city = request.getParameter("city");
        String pin = request.getParameter("pin");

        // Calculate total price
        int totalPrice = 0;

        if (bouquetSizes != null) {
        for (String size : bouquetSizes) {
                totalPrice += bouquetSizePrices.getOrDefault(size, 0);
        }
        }

        if (flowerTypes != null) {
        for (String type : flowerTypes) {
                totalPrice += flowerTypePrices.getOrDefault(type, 0);
```

```java
        }
    }

    // Simple response for demonstration
    out.println("<html><body>");
    out.println("<h2>Order Details</h2>");
    out.println("Name: " + name + "<br>");
    out.println("Phone: " + phno + "<br>");
    out.println("Email: " + mail + "<br>");

    out.println("Bouquet Sizes: ");
    if (bouquetSizes != null) {
        for (String size : bouquetSizes) {
            out.println(size + " ");
        }
    }
    out.println("<br>");

    out.println("Flower Types: ");
    if (flowerTypes != null) {
        for (String type : flowerTypes) {
            out.println(type + " ");
        }
    }
    out.println("<br>");

    out.println("Colour Preferences: ");
    if (colourPreferences != null) {
        for (String color : colourPreferences) {
            out.println(color + " ");
        }
    }
    out.println("<br>");

    out.println("Other Specifications: " + others + "<br>");

    out.println("Occasion Types: ");
    if (occasionTypes != null) {
        for (String occasion : occasionTypes) {
            out.println(occasion + " ");
```

```
            }
        }
        out.println("<br>");

        out.println("Door No: " + doorNo + "<br>");
        out.println("Street Name: " + streetName + "<br>");
        out.println("City: " + city + "<br>");
        out.println("Pincode: " + pin + "<br>");
        out.println("<h3>Total Price: $" + totalPrice + "</h3>");
        out.println("</body></html>");
    }
}
```

XML CODE:

```
<!DOCTYPE web-app PUBLIC "-//Sun Microsystems, Inc.//DTD Web Application 2.3//EN"
"http://java.sun.com/dtd/web-app_2_3.dtd">
<web-app>
    <servlet>
    <servlet-name>FlowerOrderServlet</servlet-name>
    <servlet-class>FlowerOrderServlet</servlet-class>
    </servlet>
    <servlet-mapping>
    <servlet-name>FlowerOrderServlet</servlet-name>
    <url-pattern>/FlowerOrderServlet</url-pattern>
    </servlet-mapping>
</web-app>
```

OUTPUT:

FLOWERS ORDER FORM

PERSONAL DETAILS

NAME:
[shree]

PHONE NO:
[9894866771]

MAIL ID:
[srideepi2005@gmail.com]

BOUQUET DETAILS

BOUQUET SIZE:
☐ Large
☐ Medium
☑ Small

FLOWER TYPE:
☐ Red Roses
☐ Sun Flower
☐ Anemone
☐ Ranunculus
☑ Mixed Flowers

COLOUR PREFERENCE:
☐ Burylwood
☐ PaleGreen
☐ Lavender
☑ Zinwaldite
Specifications:
[nil]

OCCASION TYPE:
☐ Marriage
☐ Anniversary
☑ BirthDay
☐ Get Well Soon

DELIVERY ADDRESS DETAILS

DOOR NO:
[D.no:7]

STREET NAME:
[1st street lvb nagar]

CITY:
[Madurai]

PINCODE:
[625107]

[Submit]

Order Details

Name: shree
Phone: 9894866771
Email: srideepi2005@gmail.com
Bouquet Sizes: Small
Flower Types: Mixed
Colour Preferences: Zinwaldite
Other Specifications: nil
Occasion Types: BirthDay
Door No: D.no:7
Street Name: 1st street lvb nagar
City: Madurai
Pincode: 625107

Total Price: $40