

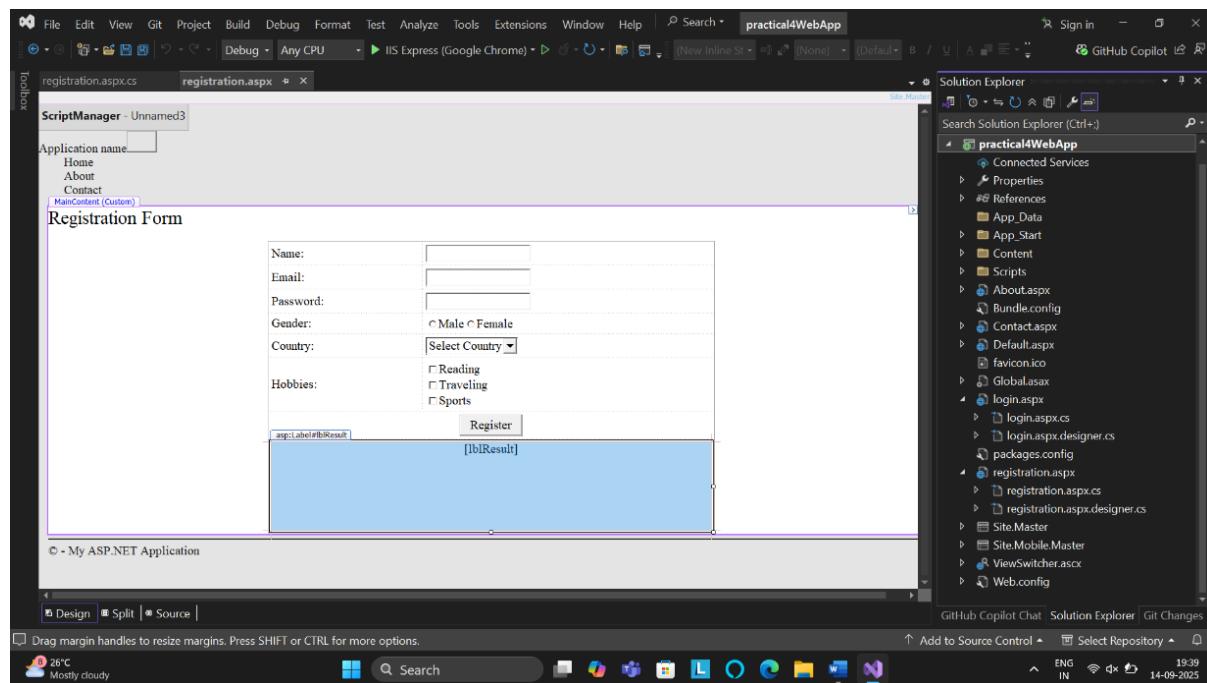
## Registration.aspx page code:

```
<%@ Page Title="" Language="C#" MasterPageFile="~/Site.Master"
AutoEventWireup="true" CodeBehind="registration.aspx.cs"
Inherits="practical4WebApp.registration" %>
<asp:Content ID="Content1" ContentPlaceHolderID="MainContent" runat="server">
    <h2>Registration Form</h2>
    <table style="width:50%; margin:auto;" cellpadding="5" border="1">
        <tr>
            <td>
                <asp:Label ID="lblName" runat="server" Text="Name:" AssociatedControlID="txtName"></asp:Label>
            </td>
            <td>
                <asp:TextBox ID="txtName" runat="server"></asp:TextBox>
            </td>
        </tr>
        <tr>
            <td>
                <asp:Label ID="lblEmail" runat="server" Text="Email:" AssociatedControlID="txtEmail"></asp:Label>
            </td>
            <td>
                <asp:TextBox ID="txtEmail" runat="server"></asp:TextBox>
            </td>
        </tr>
        <tr>
            <td>
                <asp:Label ID="lblPassword" runat="server" Text="Password:" AssociatedControlID="txtPassword"></asp:Label>
            </td>
            <td>
                <asp:TextBox ID="txtPassword" runat="server" TextMode="Password"></asp:TextBox>
            </td>
        </tr>
        <tr>
            <td>
                <asp:Label ID="lblGender" runat="server" Text="Gender:></asp:Label>
            </td>
            <td>
                <asp:RadioButton ID="rbMale" runat="server" GroupName="Gender" Text="Male" />
                <asp:RadioButton ID="rbFemale" runat="server" GroupName="Gender" Text="Female" />
            </td>
        </tr>
        <tr>
            <td>
                <asp:Label ID="lblCountry" runat="server" Text="Country:" AssociatedControlID="ddlCountry"></asp:Label>
            </td>
            <td>
                <asp:DropDownList ID="ddlCountry" runat="server">
                    <asp:ListItem Text="Select Country" Value="" />
                    <asp:ListItem Text="USA" Value="USA" />
                    <asp:ListItem Text="India" Value="India" />
                    <asp:ListItem Text="UK" Value="UK" />
                </asp:DropDownList>
            </td>
        </tr>
    </table>
</asp:Content>
```

```

<tr>
    <td>
        <asp:Label ID="lblHobbies" runat="server"
Text="Hobbies:></asp:Label>
    </td>
    <td>
        <asp:CheckBoxList ID="cblHobbies" runat="server">
            <asp:ListItem Text="Reading" Value="Reading" />
            <asp:ListItem Text="Traveling" Value="Traveling" />
            <asp:ListItem Text="Sports" Value="Sports" />
        </asp:CheckBoxList>
    </td>
</tr>
<tr>
    <td colspan="2" style="text-align:center;">
        <asp:Button ID="btnRegister" runat="server" Text="Register"
OnClick="btnRegister_Click" />
    </td>
</tr>
<tr>
    <td colspan="2" style="text-align:center;">
        <asp:Label ID="lblResult" runat="server" Height="140px"
Width="701px"></asp:Label>
    </td>
</tr>
</table>
</asp:Content>

```



## Registration.aspx.cs code:

```
using System;
using System.Linq;
using System.Web.UI.WebControls;

namespace practical4WebApp
{
    public partial class registration : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void btnRegister_Click(object sender, EventArgs e)
        {
            // Get Name
            string name = txtName.Text.Trim();

            // Get Email
            string email = txtEmail.Text.Trim();

            // Get Password
            string password = txtPassword.Text.Trim();

            // Get Gender
            string gender = rbMale.Checked ? "Male" : rbFemale.Checked ? "Female"
: "Not Selected";

            // Get Country
            string country = ddlCountry.SelectedItem != null ?
ddlCountry.SelectedItem.Text : "Not Selected";

            // Get Hobbies
            var selectedHobbies = cbHobbies.Items.Cast<ListItem>()
                .Where(i => i.Selected)
                .Select(i => i.Text);
            string hobbies = selectedHobbies.Any() ? string.Join(", ", selectedHobbies) : "None";

            // Display result
            string result = $"Name: {name}<br/>" +
                $"Email: {email}<br/>" +
                $"Password: {password}<br/>" +
                $"Gender: {gender}<br/>" +
                $"Country: {country}<br/>" +
                $"Hobbies: {hobbies}";

            lblResult.Text = result;
        }
    }
}
```

## Output:

The screenshot shows a web browser window titled "My ASP.NET Application" at the URL "localhost:44312/registration". The page displays a registration form with fields for Name, Email, Password, Gender, Country, and Hobbies. The submitted data is shown below the form, indicating a successful registration.

**Registration Form**

Name:	<input type="text" value="fardin"/>
Email:	<input type="text" value="fardin@gmail.com"/>
Password:	<input type="password"/>
Gender:	<input checked="" type="radio"/> Male <input type="radio"/> Female
Country:	<input type="text" value="India"/>
Hobbies:	<input checked="" type="checkbox"/> Reading <input checked="" type="checkbox"/> Traveling <input type="checkbox"/> Sports
<input type="button" value="Register"/>	
Name: fardin Email: fardin@gmail.com Password: fardin1234 Gender: Male Country: India Hobbies: Reading, Traveling	

© 2025 - My ASP.NET Application

Windows taskbar icons include: Breaking news, Search, File Explorer, File History, Task View, Taskbar settings, and a battery icon. System status bar shows: ENG IN, 18:45, 14-09-2025.

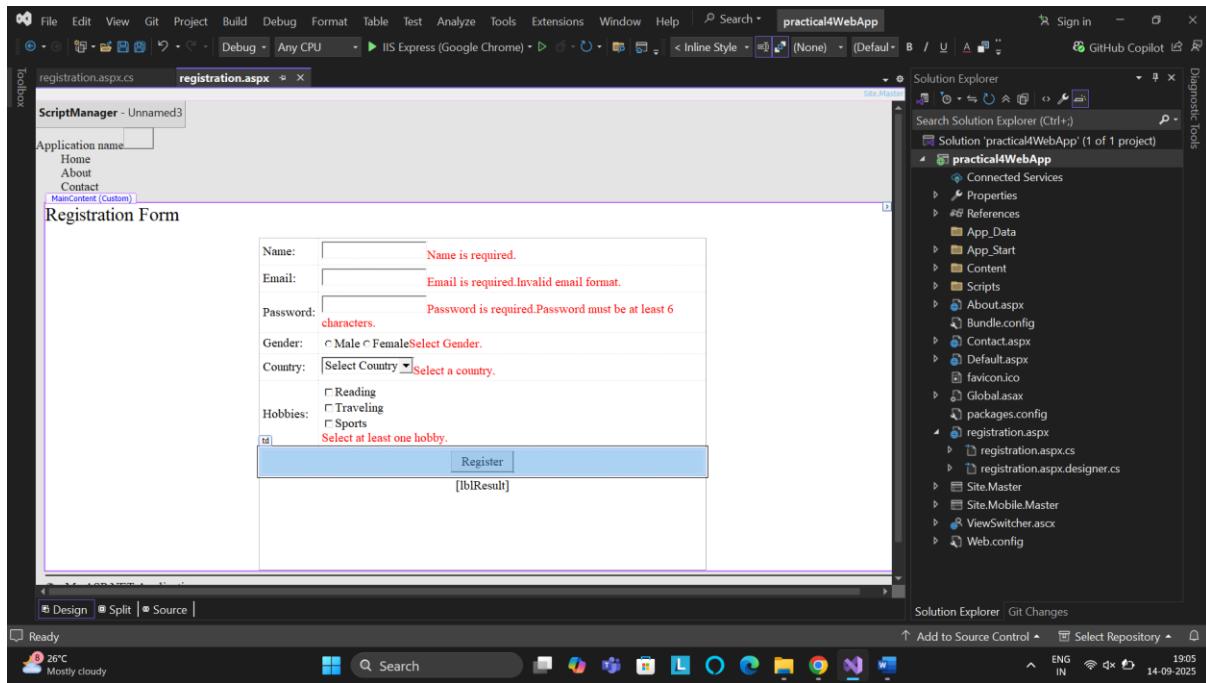
## Registration.aspx page code:

```
<%@ Page Title="" Language="C#" MasterPageFile="~/Site.Master"
AutoEventWireup="true" CodeBehind="registration.aspx.cs"
Inherits="practical4WebApp.registration" %>
<asp:Content ID="Content1" ContentPlaceHolderID="MainContent" runat="server">
    <h2>Registration Form</h2>
    <table style="width:50%; margin:auto;" cellpadding="5" border="1">
        <tr>
            <td>
                <asp:Label ID="lblName" runat="server" Text="Name:" AssociatedControlID="txtName"></asp:Label>
            </td>
            <td>
                <asp:TextBox ID="txtName" runat="server"></asp:TextBox>
                <asp:RequiredFieldValidator ID="rfvName" runat="server" ControlToValidate="txtName" ErrorMessage="Name is required." ForeColor="Red" Display="Dynamic" />
            </td>
        </tr>
        <tr>
            <td>
                <asp:Label ID="lblEmail" runat="server" Text="Email:" AssociatedControlID="txtEmail"></asp:Label>
            </td>
            <td>
                <asp:TextBox ID="txtEmail" runat="server"></asp:TextBox>
                <asp:RequiredFieldValidator ID="rfvEmail" runat="server" ControlToValidate="txtEmail" ErrorMessage="Email is required." ForeColor="Red" Display="Dynamic" />
                <asp:RegularExpressionValidator ID="revEmail" runat="server" ControlToValidate="txtEmail" ErrorMessage="Invalid email format." ForeColor="Red" Display="Dynamic" ValidationExpression="^[@\s]+@[^\s]+\.[^\s]+\$" />
            </td>
        </tr>
        <tr>
            <td>
                <asp:Label ID="lblPassword" runat="server" Text="Password:" AssociatedControlID="txtPassword"></asp:Label>
            </td>
            <td>
                <asp:TextBox ID="txtPassword" runat="server" TextMode="Password"></asp:TextBox>
                <asp:RequiredFieldValidator ID="rfvPassword" runat="server" ControlToValidate="txtPassword" ErrorMessage="Password is required." ForeColor="Red" Display="Dynamic" />
                <asp:RegularExpressionValidator ID="revPassword" runat="server" ControlToValidate="txtPassword" ErrorMessage="Password must be at least 6 characters." ForeColor="Red" Display="Dynamic" ValidationExpression=".{6,}" />
            </td>
        </tr>
        <tr>
            <td>
                <asp:Label ID="lblGender" runat="server" Text="Gender:></asp:Label>
```

```

        </td>
        <td>
            <asp:RadioButton ID="rbMale" runat="server" GroupName="Gender"
Text="Male" />
            <asp:RadioButton ID="rbFemale" runat="server" GroupName="Gender"
Text="Female" />
            <asp:CustomValidator ID="cvGender" runat="server"
ErrorMessage="Select Gender."
                ForeColor="Red" Display="Dynamic"
OnServerValidate="cvGender_ServerValidate" />
        </td>
    </tr>
    <tr>
        <td>
            <asp:Label ID="lblCountry" runat="server" Text="Country :"
AssociatedControlID="ddlCountry"></asp:Label>
        </td>
        <td>
            <asp:DropDownList ID="ddlCountry" runat="server">
                <asp:ListItem Text="Select Country" Value="" />
                <asp:ListItem Text="USA" Value="USA" />
                <asp:ListItem Text="India" Value="India" />
                <asp:ListItem Text="UK" Value="UK" />
            </asp:DropDownList>
            <asp:RequiredFieldValidator ID="rfvCountry" runat="server"
ControlToValidate="ddlCountry"
                InitialValue="" ErrorMessage="Select a country."
                ForeColor="Red" Display="Dynamic" />
        </td>
    </tr>
    <tr>
        <td>
            <asp:Label ID="lblHobbies" runat="server"
Text="Hobbies : "></asp:Label>
        </td>
        <td>
            <asp:CheckBoxList ID="cblHobbies" runat="server">
                <asp:ListItem Text="Reading" Value="Reading" />
                <asp:ListItem Text="Traveling" Value="Traveling" />
                <asp:ListItem Text="Sports" Value="Sports" />
            </asp:CheckBoxList>
            <asp:CustomValidator ID="cvHobbies" runat="server"
ErrorMessage="Select at least one hobby."
                ForeColor="Red" Display="Dynamic"
OnServerValidate="cvHobbies_ServerValidate" />
        </td>
    </tr>
    <tr>
        <td colspan="2" style="text-align:center;">
            <asp:Button ID="btnRegister" runat="server" Text="Register"
OnClick="btnRegister_Click" />
        </td>
    </tr>
    <tr>
        <td colspan="2" style="text-align:center;">
            <asp:Label ID="lblResult" runat="server" Height="140px"
Width="701px"></asp:Label>
        </td>
    </tr>
</table>
</asp:Content>

```



## Registration.aspx.cs code:

```

using System;
using System.Linq;
using System.Web.UI.WebControls;

namespace practical4WebApp
{
    public partial class registration : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void btnRegister_Click(object sender, EventArgs e)
        {
            // Get Name
            string name = txtName.Text.Trim();

            // Get Email
            string email = txtEmail.Text.Trim();

            // Get Password
            string password = txtPassword.Text.Trim();

            // Get Gender
            string gender = rbMale.Checked ? "Male" : rbFemale.Checked ? "Female" : "Not Selected";

            // Get Country
            string country = ddlCountry.SelectedItem != null ? ddlCountry.SelectedItem.Text : "Not Selected";

            // Get Hobbies
            var selectedHobbies = cblHobbies.Items.Cast<ListItem>()

```

```

        .Where(i => i.Selected)
        .Select(i => i.Text);
    string hobbies = selectedHobbies.Any() ? string.Join(", ", 
selectedHobbies) : "None";

    // Display result
    string result = $"Name: {name}<br/>" +
                    $"Email: {email}<br/>" +
                    $"Password: {password}<br/>" +
                    $"Gender: {gender}<br/>" +
                    $"Country: {country}<br/>" +
                    $"Hobbies: {hobbies}";

    lblResult.Text = result;
}
protected void cvGender_ServerValidate(object source,
ServerValidateEventArgs args)
{
    args.IsValid = rbMale.Checked || rbFemale.Checked;
}

protected void cvHobbies_ServerValidate(object source,
ServerValidateEventArgs args)
{
    args.IsValid = cbHobbies.Items.Cast<ListItem>().Any(i =>
i.Selected);
}
}

```

## Output:

The screenshot shows a web browser window with the URL `localhost:44312/registration`. The page title is "Registration Form". The form fields are as follows:

- Name: An empty input field with the error message "Name is required."
- Email: An input field containing "fk" with the error message "Invalid email format."
- Password: An input field containing ".." with the error message "Password must be at least 6 characters."
- Gender: A radio button group where "Male" is selected.
- Country: A dropdown menu with the placeholder "Select Country" and the error message "Select a country."
- Hobbies: A checkbox group with three options: "Reading" (checked), "Traveling" (unchecked), and "Sports" (unchecked).

A "Register" button is located at the bottom right of the form. At the bottom of the page, there is a footer with the text "© 2025 - My ASP.NET Application".



## Login.aspx page code:

```
<%@ Page Title="" Language="C#" MasterPageFile="~/Site.Master"
AutoEventWireup="true" CodeBehind="login.aspx.cs"
Inherits="practical4WebApp.login" %>
<asp:Content ID="Content1" ContentPlaceHolderID="MainContent" runat="server">
    <h2>Login Form</h2>
    <table style="width:40%; margin:auto;" cellpadding="5" border="1">
        <tr>
            <td>
                <asp:Label ID="lblUsername" runat="server" Text="Username:"
AssociatedControlID="txtUsername"></asp:Label>
            </td>
            <td>
                <asp:TextBox ID="txtUsername" runat="server"></asp:TextBox>
                <asp:RequiredFieldValidator ID="rfvUsername" runat="server"
ControlToValidate="txtUsername"
                    ErrorMessage="Username is required." ForeColor="Red"
Display="Dynamic" />
            </td>
        </tr>
        <tr>
            <td>
                <asp:Label ID="lblPassword" runat="server" Text="Password:"
AssociatedControlID="txtPassword"></asp:Label>
            </td>
            <td>
                <asp:TextBox ID="txtPassword" runat="server"
TextMode="Password"></asp:TextBox>
                <asp:RequiredFieldValidator ID="rfvPassword" runat="server"
ControlToValidate="txtPassword"
                    ErrorMessage="Password is required." ForeColor="Red"
Display="Dynamic" />
            </td>
        </tr>
        <tr>
            <td colspan="2" style="text-align:center;">
                <asp:Button ID="btnLogin" runat="server" Text="Login"
OnClick="btnLogin_Click" />
            </td>
        </tr>
        <tr>
            <td colspan="2" style="text-align:center;">
                <asp:Label ID="lblResult" runat="server"></asp:Label>
            </td>
        </tr>
    </table>
</asp:Content>
```

## Login.aspx.cs code:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
```

```
namespace practical4WebApp
{
    public partial class login : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
        }
        protected void btnLogin_Click(object sender, EventArgs e)
        {
            lblResult.Text = "Hello" + " " + txtUsername.Text;
        }
    }
}
```

## Output:

