

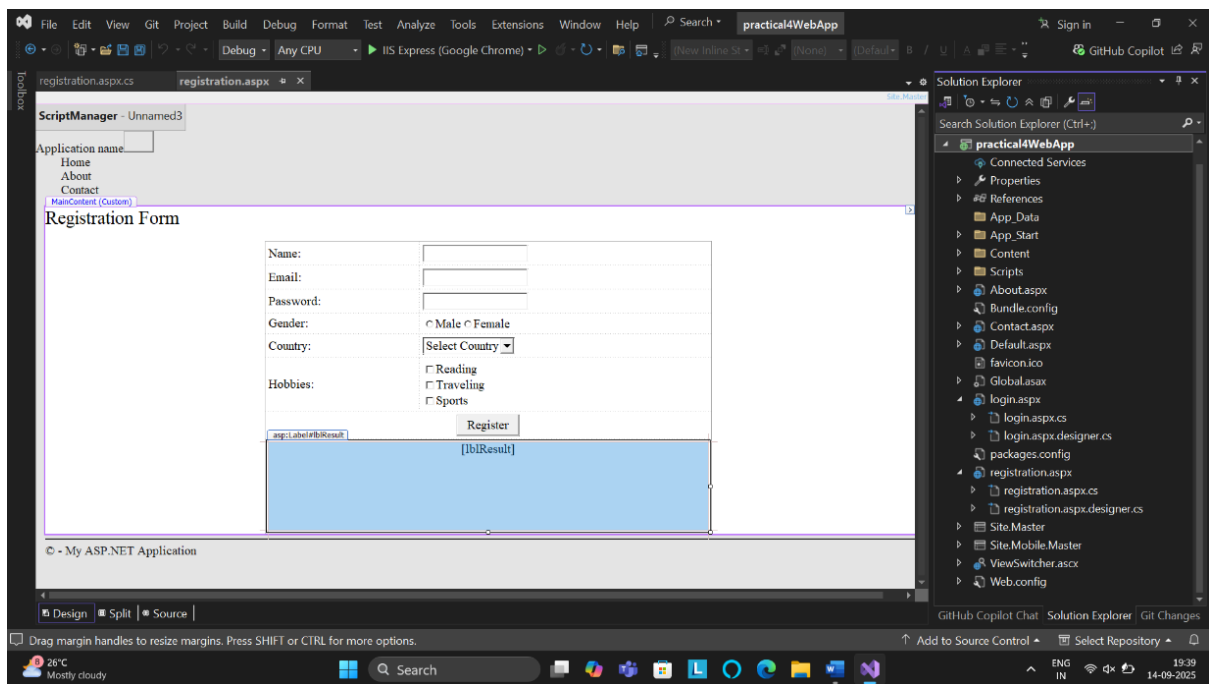
Registration.aspx page code:

```
<%@ 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>
</tr>
</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>
            </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;
        }
    }
}
```

Output:

The screenshot displays a web browser window with the address bar showing "localhost:44312/registration". The page has a dark header with "Application name" and links for "Home", "About", and "Contact". The main content area is titled "Registration Form" and contains a form with the following fields and options:

- Name:
- Email:
- Password:
- Gender: ☒ Male ☐ Female
- Country:
- Hobbies: ☒ Reading ☒ Traveling ☐ Sports

A "Register" button is located below the form fields. Below the button, the registered user's details are displayed:

Name: fardin
Email: fardin@gmail.com
Password: fardin1234
Gender: Male
Country: India
Hobbies: Reading, Traveling

The browser's taskbar at the bottom shows the Windows logo, a search bar, and various application icons. The system tray on the right indicates the date and time as "14-09-2025 18:45".

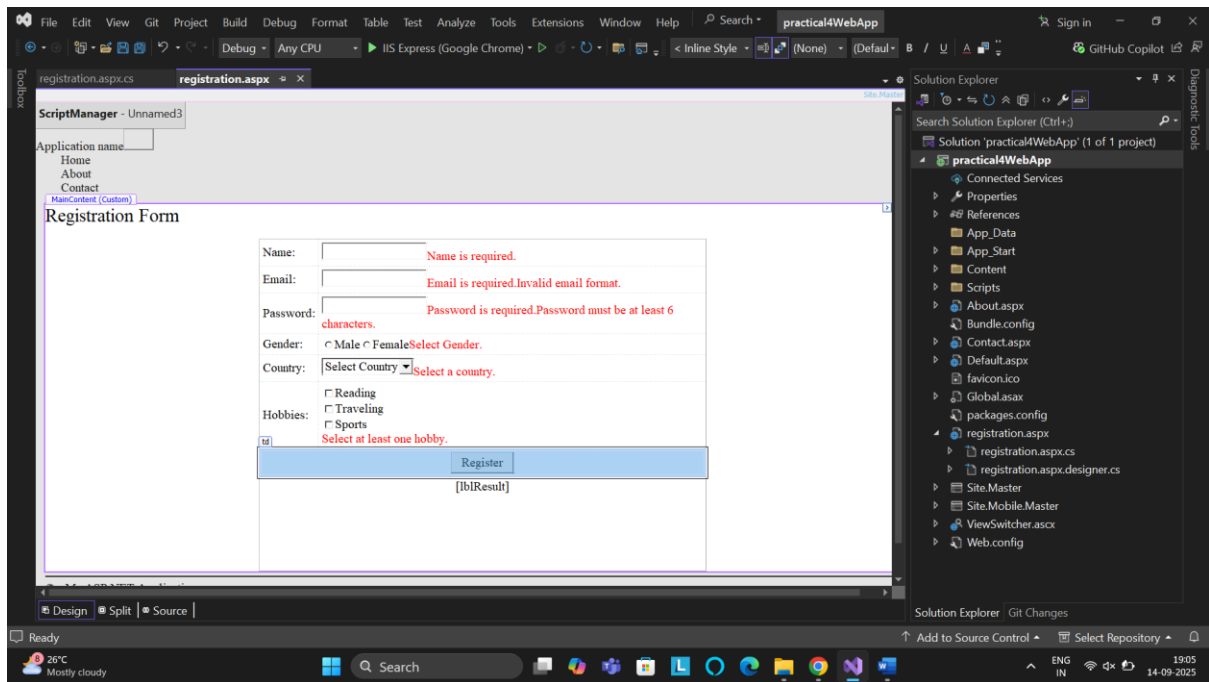
Registration.aspx page code:

```
<%@ 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:TextBox ID="txtGender" runat="server"></asp:TextBox>
            </td>
        </tr>
    </table>
</asp:Content>
```

```

        </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";

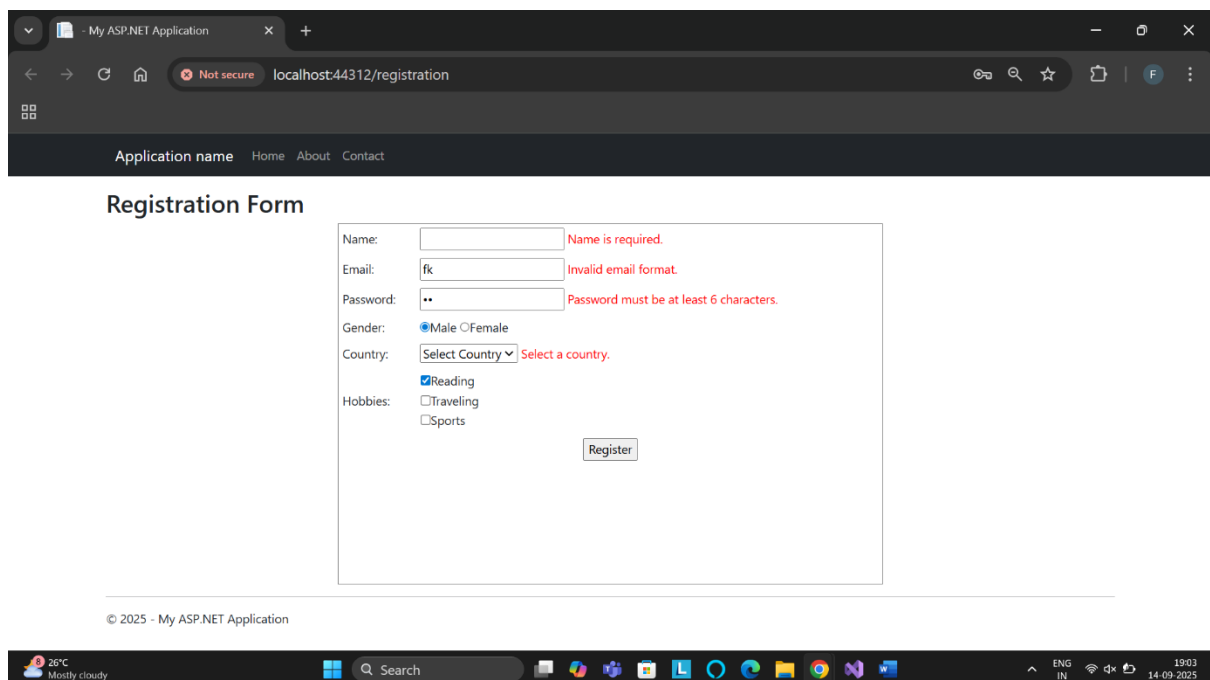
        // Display result
        string result = $"Name: {name}<br/>" +
            $"Email: {email}<br/>" +
            $"Password: {password}<br/>" +
            $"Gender: {gender}<br/>" +
            $"Country: {country}<br/>" +
            $"Hobbies: {hobbies}";

        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 = cblHobbies.Items.Cast<ListItem>().Any(i =>
i.Selected);
    }
}
}

```

Output:



The screenshot shows a web browser window titled "My ASP.NET Application" with the address bar displaying "localhost:44312/registration". The page content includes a navigation bar with "Application name", "Home", "About", and "Contact". Below this is a section titled "Registration Form" containing a registration form with the following fields and validation messages:

- Name:** A text input field with the error message "Name is required." in red.
- Email:** A text input field containing "fk" with the error message "Invalid email format." in red.
- Password:** A text input field with two dots (••) and the error message "Password must be at least 6 characters." in red.
- Gender:** Radio buttons for "Male" (selected) and "Female".
- Country:** A dropdown menu showing "Select Country" with the error message "Select a country." in red.
- Hobbies:** Checkboxes for "Reading" (checked), "Traveling", and "Sports".

A "Register" button is located at the bottom right of the form. The footer of the page displays "© 2025 - My ASP.NET Application". The Windows taskbar at the bottom shows the date and time as "14-09-2025 19:03" and the system status as "26°C Mostly cloudy".

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:

