

Dezvoltarea Aplicatiilor Web-Anul 3

Laborator 2

Exercitiul 1

Nume	<input type="text"/>	*
Prenume	<input type="text"/>	*
Email	<input type="text"/>	*
Parola	<input type="text"/>	*
Confirmare	<input type="text"/>	
Facultatea	<input type="text" value="alege..."/>	*
Anul de studiu	<input type="text" value="alege..."/>	*
Data nasterii	<input type="text"/>	*
Sex	<input type="radio"/> feminin <input type="radio"/> masculin	*
Varsta	<input type="text"/>	*
	<input type="checkbox"/> Angajat	
	<input type="button" value="Trimite"/>	

- Completati numele
- Completati prenumele
- Completati adresa de email
- Completati parola
- Alegeti facultatea
- Alegeti anul de studiu
- Completati data nasterii
- Selectati sexul
- Completati Varsta

Nume	<input type="text" value="User1"/>	
Prenume	<input type="text" value="User"/>	
Email	<input type="text" value="User1cbdf"/>	*
Parola	<input type="password" value="..."/>	
Confirmare	<input type="password" value="...."/>	*
Facultatea	<input type="text" value="alege..."/>	*
Anul de studiu	<input type="text" value="alege..."/>	*
Data nasterii	<input type="text" value="25/06/1993"/>	*
Sex	<input type="radio"/> feminin <input type="radio"/> masculin	*
Varsta	<input type="text" value="1345"/>	*
	<input type="checkbox"/> Angajat	
	<input type="button" value="Trimite"/>	

- Adresa de email nu este valida
- Reconfirmarea parolei nu este corecta
- Alegeti facultatea
- Alegeti anul de studiu
- Completati data in format LL/ZZ/AAAA
- Selectati sexul
- Dati varsta in intervalul 0-70

Nume	<input type="text" value="User1"/>
Prenume	<input type="text" value="User"/>
Email	<input type="text" value="User1@yahoo.com"/>
Parola	<input type="password"/>
Confirmare	<input type="password"/>
Facultatea	<input type="text" value="Matematica si Informatica"/>
Anul de studiu	<input type="text" value="III"/>
Data nasterii	<input type="text" value="06/25/1994"/>
Sex	<input checked="" type="radio"/> feminin <input type="radio"/> masculin
Varsta	<input type="text" value="24"/>
	<input checked="" type="checkbox"/> Angajat
Firma	<input type="text"/>
Salariu	<input type="text"/>
	<input type="button" value="Trimite"/>

Firma	<input type="text" value="ABC.SRL"/>
Salariu	<input type="text" value="ASDFG"/>
	<input type="button" value="Trimite"/>

*

- Completati salariu numeric

Nume	<input type="text" value="User1"/>
Prenume	<input type="text" value="User"/>
Email	<input type="text" value="User1@yahoo.com"/>
Parola	<input type="password"/>
Confirmare	<input type="password"/>
Facultatea	<input type="text" value="Matematica si Informatica"/>
Anul de studiu	<input type="text" value="III"/>
Data nasterii	<input type="text" value="06/25/1994"/>
Sex	<input checked="" type="radio"/> feminin <input type="radio"/> masculin
Varsta	<input type="text" value="24"/>
	<input checked="" type="checkbox"/> Angajat
Firma	<input type="text" value="ABC.SRL"/>
Salariu	<input type="text" value="5000"/>
	<input type="button" value="Trimite"/>

Va multumim pentru completarea datelor!

Indicatii:

Putem folosi un tabel in care fiecare rand (<tr>) sa aiba 3 coloane (<td>) – un **Label** pentru denumire (ex: Nume/Prenum, etc), un **TextBox** pentru input sau alte controale necesare (**DropDownList**, **RadioButtonList**, **CheckBox**, etc) si **controalele de validare** necesare.

Exemplu:

```
<table style="width: 700px; height: 420px">
    <tr>
        <td style="width: 150px">
            <asp:Label ID="Label1" runat="server" Text="Nume">
            </asp:Label>
        </td>
        <td style="width: 170px">
            <asp:TextBox ID="TextBoxNume" runat="server">
            </asp:TextBox>
        </td>
        <td>
            <asp:RequiredFieldValidator
ID="RequiredFieldValidator1" runat="server"
ControlToValidate="TextBoxNume" ErrorMessage="Completati numele"
ToolTip="Completati numele"> * </asp:RequiredFieldValidator>
        </td>
    </tr>
```

Aici, pastrand aceeași structură ca în exemplul de mai sus, o să includem toate elementele necesare.

```
</ table >
```

Pentru a verifica dacă data nașterii corespunde cu vârsta o să folosim un validator Custom:

```
<asp:CustomValidator ID="CustomValidator1" runat="server"
ControlToValidate="TextBoxVarsta" Display="Dynamic"
ErrorMessage="Varsta nu coincide cu data nașterii"
OnServerValidate="CustomValidator1_ServerValidate">*
</asp:CustomValidator>
```

Pentru **CheckBox** vom utiliza proprietatea **AutoPostBack** setata la valoarea **True** deoarece in acest mod se face submit la formular pentru a ajunge in partea de backend si pentru a gasi functia care face acel panel vizibil.

```
<asp:CheckBox ID="CheckBoxAng" runat="server" Text="Angajat"
AutoPostBack="True" OnCheckedChanged="CheckBoxAng_CheckedChanged" />
```

In pagina aspx.cs vom utiliza:

```
protected void CheckBoxAng_CheckedChanged(object sender, EventArgs e)
{
    PanelAng.Visible = CheckBoxAng.Checked;
}
```

In momentul in care CheckBox-ul este bifat vrem sa se deschida un panel care sa contina informatiile legate de Firma si Salariu. Se poate utiliza urmatoarea secventa de cod:

```
<tr>
    <td colspan="3">
        <asp:Panel ID="PanelAng" runat="server" Height="50px"
Width="750px" Visible="False">
            <table style="width: 700px; height: 50px">
                <tr>
                    <td style="width: 150px">
                        <asp:Label ID="LFirma" runat="server"
Text="Firma"></asp:Label>
                    </td>
                    <td style="width: 170px">
                        <asp:TextBox ID="TextBoxFirma"
runat="server"></asp:TextBox>
                    </td>
                    <td>
                    </td>
                </tr>
            </table>
        </asp:Panel>
    </td>
</tr>
```

```

        <tr>
            <td style="width: 150px">
                <asp:Label ID="LSalariu" runat="server"
Text="Salariu"></asp:Label>
            </td>

            <td style="width: 170px">
                <asp:TextBox ID="TextBoxSalariu"
runat="server"></asp:TextBox>
            </td>

            <td>
                <asp:CompareValidator ID="CompareValidator5"
runat="server" ControlToValidate="TextBoxSalariu" ErrorMessage="Completati
salariu numeric" Operator="DataTypeCheck"
Type="Integer">*</asp:CompareValidator>
            </td>

        </tr>
    </table>
</asp:Panel>
</td>
</tr>

```

In final avem nevoie de un **buton** pentru evenimentul de trimitere a formularului, un **Literal** cu ajutorul caruia informam utilizatorul ca datele au fost trimise cu succes (ex: "Va multumim pentru completarea datelor!")

```

<tr>
    <td style="width: 150px">
    </td>

    <td style="width: 170px">
        <asp:Button ID="Button1" runat="server" Text="Trimite"
OnClick="Button1_Click" />
    </td>

</tr>

```

```

        <tr>
            <td colspan="3" style="height: 21px">
                <asp:Literal ID="LiteralRaspuns" runat="server"
Visible="False"></asp:Literal>
                <asp:ValidationSummary ID="ValidationSummary1"
runat="server"/>
            </td>
        </tr>

```

Metoda cu ajutorul careia verificam daca data nasterii coincide cu varsta introdusa de utilizator in input:

```

protected void CustomValidator1_ServerValidate(object source,
ServerValidateEventArgs args)
{
    try
    {
        // Validare la nivel de backend

        DateTime datan = DateTime.Parse(TextBoxData.Text);

        if(datan.AddYears(int.Parse(TextBoxVarsta.Text)).Year.CompareTo(
DateTime.Today.Year) == 0)

            args.IsValid = true;
        else
            args.IsValid = false;
    }
    catch (Exception)
    {
        args.IsValid = false;
    }
}

```


In momentul in care apare urmatoarea eroare este nevoie ca in **Web.config** sa fie inclusa secventa de cod pentru a genera codul client (JavaScript) necesar validarilor.

```
<appSettings>
    <add key="ValidationSettings:UnobtrusiveValidationMode"
value="None" />
</appSettings>
```

Server Error in '/' Application.

WebForms UnobtrusiveValidationMode requires a ScriptResourceMapping for 'jquery'. Please add a ScriptResourceMapping named jquery(case-sensitive).

Description: An unhandled exception occurred during the execution of the current web request. Please review the stack trace for more information about the error and where it originated in the code.

Exception Details: System.InvalidOperationException: WebForms UnobtrusiveValidationMode requires a ScriptResourceMapping for 'jquery'. Please add a ScriptResourceMapping named jquery(case-sensitive).

Source Error:

Exercitiul 2

1. Se adauga pagina Master (MasterPage)

```
<body>
  <form id="form1" runat="server">
    <div>
      <div style="width:100%; height: 100px; background-color:#dfe6e9">

        <h2>Restaurant La Mama</h2>

        <asp:HyperLink ID="HyperLink1" runat="server"
NavigateUrl="~/HomePage.aspx">Acasa</asp:HyperLink>
```

 **Adaugati inca un HyperLink pentru GalerieFoto**

 **Adaugati inca un HyperLink pentru Harta**

```

    </div>

    <table>
      <tr>
        <td style="background-color:#dfe6e9; padding:10px; width:
150px;">
          <asp:SiteMapDataSource ID="MainSMDS" runat="server" />

          <asp:Menu ID="Menu1" runat="server" BackColor="#CC99FF"
DataSourceID="MainSMDS" Font-Names="Verdana" Font-Size="Medium"
ForeColor="White">

            <DynamicMenuStyle BackColor="#CC99FF" />

            <DynamicMenuItemStyle HorizontalPadding="5px"
VerticalPadding="2px" />

          </asp:Menu>
        </td>
        <td>
          <div style="padding:10px">
            <asp:ContentPlaceHolder id="ContentPlaceHolder1"
runat="server">

              <!-- Aici nu se pun tag-uri-->
            </asp:ContentPlaceHolder>
          </div>
        </td>
      </tr>
    </table>
```

```

        </div>
    </td>
</tr>
</table>

<div style="width:100%; height: 100px; background-color:#dfe6e9">
    <div style="text-align:center">
        <p>Restaurant La Mama</p>
        <p>Adresa: Str. Academiei 14</p>
        <p>Telefon: 021 555-1234</p>
    </div>
</div>
</div>
</form>
</body>

```

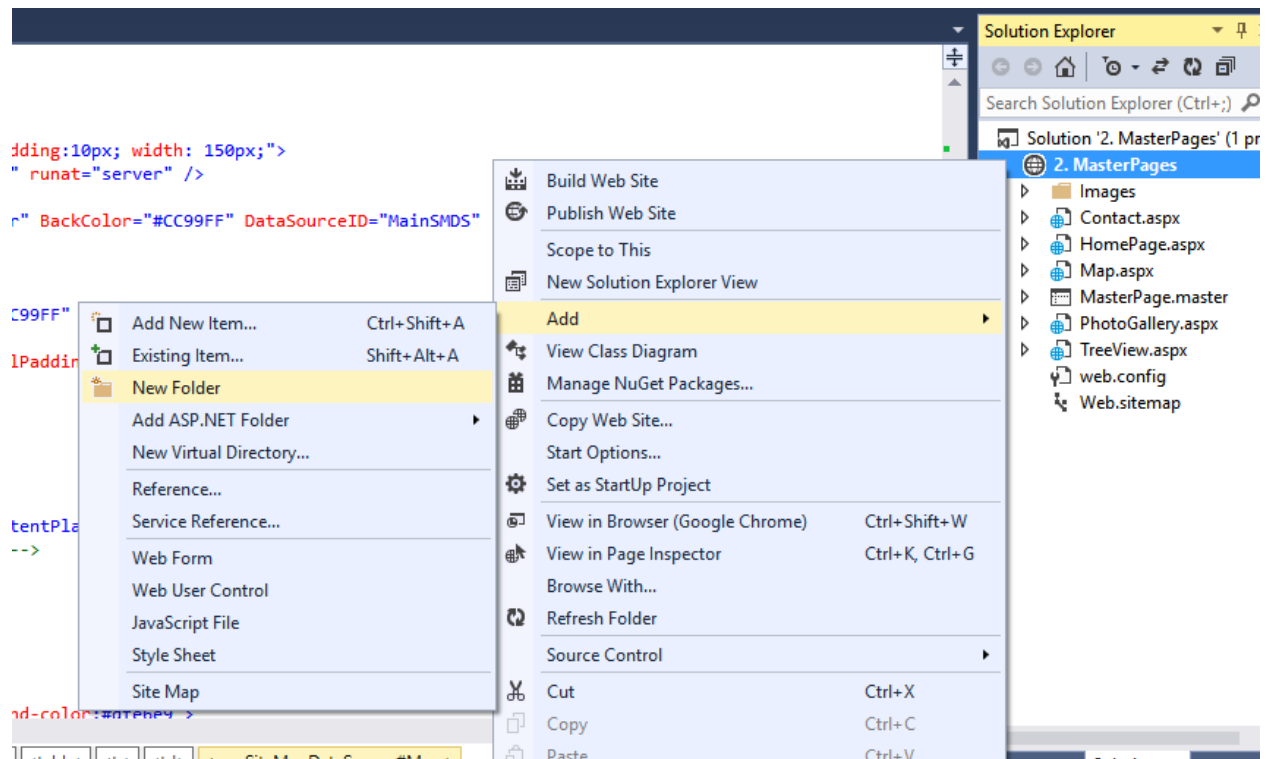
Meniul trebuie sa aiba urmatoarea structura:

- **Acasa**
 - **GalerieFoto**
 - **Harta**
 - **Contact**
 - **TreeView**



2. HomePage.aspx

3. PhotoGallery.aspx



O imagine se include astfel:

```
<asp:Image ID="Image1" runat="server" ImageUrl="~/Images/poza1.jpg"
Width="300" />
```

Includeti inca doua imagini

4. Map.aspx

- Adaugati un link (HyperLink) catre pagina de Contact**
- Adaugati harta cu locatia restaurantului in pagina**

5. Contact.aspx

Dorim sa afisam navigarea pe site (breadcrumbs) sub forma:

Acasa > Harta > Contact

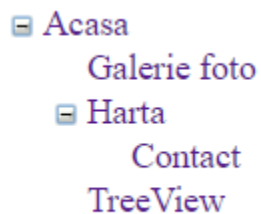
Se foloseste:

```
<asp:SiteMapPath ID="SiteMapPath1" runat="server">  
</asp:SiteMapPath>
```

SiteMapPath foloseste Web.sitemap

6. TreeView.aspx

Dorim sa afisam sub forma arborescente (tree)



Se foloseste **TreeView** care are nevoie de o sursa de date. Astfel, putem observa ca se utilizeaza **SiteMapDataSource** care preia date din fisierul xml **Web.sitemap**.

```
<asp:TreeView ID="TreeView1" DataSourceID="MainSMDS"  
runat="server"></asp:TreeView>
```