

Christopher Otto

ITDEV-162

Assignment 4

The screenshot shows a web browser window with the address bar displaying 'localhost:50729/Default.aspx'. The page title is 'Chapter 7: Validation Example' by Christopher Otto. The form contains the following fields and values:

Field	Value	Format
Last Name:	Smith	
Birthday:	01/01/1979	(mm/dd/yyyy)
Social Security No:	123-45-abcd	(xxx-xx-xxxx)
Lowest Salary:	15000	
Highest Salary:	10000	

Buttons: Submit, Clear

A modal dialog box titled 'The page at localhost:50729 says:' is displayed over the form. It contains the following error messages:

- Age must be 18-30
- SSN invalid
- High Salary must be >= Low Salary

OK

The screenshot shows the same web browser window as above, but with the form fields empty. The modal dialog box titled 'The page at localhost:50729 says:' is displayed over the form. It contains the following error messages:

- Last Name Required
- Date of Birth Required
- Social Security Required
- Low Salary Required
- High Salary Required

OK

ASPX Code:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Default.aspx.cs"
Inherits="Chap7Assign4.Default" %>
```

```
<!DOCTYPE html>
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title></title>
  <style type="text/css">
    #tblFormat {
```

```

        width: 404px;
    }
    .auto-style1 {
        width: 132px;
    }
    .auto-style2 {
        width: 131px;
    }
    .auto-style4 {
        width: 352px;
    }
    .auto-style5 {
        width: 85px;
    }
    .auto-style6 {
        width: 108px;
    }
}
</style>
</head>
<body>
    <form id="form1" runat="server">
        <div>

            <asp:Label ID="lblHeader" runat="server" Font-Size="24" Text="Chapter 7:
Validation Example"></asp:Label>

        </div>
        <asp:Label ID="lblAuthor" runat="server" Text="by Christopher Otto"></asp:Label>
        <table id="tblFormat" runat="server" class="auto-style4">
            <tr>
                <td class="auto-style1">
                    <asp:Label ID="lblLastName" runat="server" Text="Last Name:
"></asp:Label>
                </td>
                <td class="auto-style2">
                    <asp:TextBox ID="tbLastName" runat="server"></asp:TextBox>
                    <asp:RequiredFieldValidator ID="lastNameValidator" runat="server"
ControlToValidate="tbLastName" Display="None" ErrorMessage="Last Name
Required"></asp:RequiredFieldValidator>
                </td>
            </tr>
            <tr>
                <td class="auto-style1">
                    <asp:Label ID="lblBirthday" runat="server"
Text="Birthday:"></asp:Label>
                </td>
                <td class="auto-style2">
                    <asp:TextBox ID="tbBirthday" runat="server"></asp:TextBox>
                    <asp:RequiredFieldValidator ID="birthdayValidator" runat="server"
ControlToValidate="tbBirthday" Display="None" ErrorMessage="Date of Birth
Required"></asp:RequiredFieldValidator>
                    <asp:RangeValidator ID="personAge" runat="server"
ControlToValidate="tbBirthday" ErrorMessage="Age must be 18-30" Display="None"
Type="Date" MinimumValue=""></asp:RangeValidator>
                </td>
                <td class="auto-style5">
                    (mm/dd/yyyy)
                </td>
            </tr>
        </table>
    </form>

```

```

        </tr>
        <tr>
            <td class="auto-style1">

                <asp:Label ID="lblSSN" runat="server" Text="Social Security
No:"></asp:Label>

            </td>
            <td class="auto-style2">

                <asp:TextBox ID="tbSSN" runat="server"></asp:TextBox>
                <asp:RequiredFieldValidator ID="ssnValidator" runat="server"
ControlToValidate="tbSSN" Display="None" ErrorMessage="Social Security
Required"></asp:RequiredFieldValidator>
                <asp:RegularExpressionValidator ID="ssnRefExpressValidator"
runat="server" ErrorMessage="SSN invalid" Display="None" ControlToValidate="tbSSN"
ValidationExpression="\d{3}-\d{2}-\d{4}$"></asp:RegularExpressionValidator>
            </td>

            <td class="auto-style6">
                (xxx-xx-xxxx)
            </td>
        </tr>
        <tr>
            <td class="auto-style1">

                <asp:Label ID="lblLowSalary" runat="server" Text="Lowest
Salary:"></asp:Label>

            </td>
            <td class="auto-style2">

                <asp:TextBox ID="tbLowSalary" runat="server"></asp:TextBox>
                <asp:RequiredFieldValidator ID="lowSalaryValidator" runat="server"
ControlToValidate="tbLowSalary" Display="None" ErrorMessage="Low Salary
Required"></asp:RequiredFieldValidator>
            </td>

        </tr>
        <tr>
            <td class="auto-style1">

                <asp:Label ID="lblHighSalary" runat="server" Text="Highest
Salary:"></asp:Label>

            </td>
            <td class="auto-style2">

                <asp:TextBox ID="tbHighSalary" runat="server"></asp:TextBox>
                <asp:RequiredFieldValidator ID="highSalaryValidator" runat="server"
ControlToValidate="tbHighSalary" Display="None" ErrorMessage="High Salary
Required"></asp:RequiredFieldValidator>
                <asp:CompareValidator ID="compareLowtoHigh" runat="server"
ErrorMessage="High Salaray must be >= Low Salary" Display="None"
ControlToValidate="tbHighSalary" Operator="GreaterThanOrEqual" Type="Double"
ControlToCompare="tbLowSalary"></asp:CompareValidator>
            </td>
        </tr>

```

```

        </table>
        <asp:Button ID="btnSubmit" runat="server" Text="Submit" OnClick="btnSubmit_Click"
CausesValidation="true"/>
        <asp:Button ID="btnClear" runat="server" Text="Clear" CausesValidation="false"/>
        <asp:ValidationSummary ID="valSummary" runat="server" ShowMessageBox="true"
DisplayMode="BulletList" ShowSummary="false"/>
    </form>
</body>
</html>

```

#### C# Code:

```

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

namespace Chap7Assign4
{
    public partial class Default : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!IsPostBack)
            {
                personAge.MaximumValue = DateTime.Today.AddYears(-
18).ToShortDateString();
                personAge.MinimumValue = DateTime.Today.AddYears(-
30).ToShortDateString();
            }
        }

        protected void btnSubmit_Click(object sender, EventArgs e)
        {
            if (Page.IsValid)
            {
                Response.Redirect("Congrats.aspx");
            }
        }
    }
}

```