

# ASP.NET Web Forms - Validation Issue & Fix

1. Applied validators to some user input fields in the Default.aspx file of a Web Application as shown below:

The screenshot displays the Visual Studio IDE with the 'Default.aspx' file open. The code defines a web form with several input fields and validators. The rendered view below the code shows the form's appearance, including labels, text boxes, and a dropdown menu for the 'State' field. The form is titled 'Home Life Academy' and includes a 'Label' on the right side.

```
36 <td class="auto-style5">FirstName</td>
37 <td>
38 <asp:TextBox ID="FirstName" runat="server"></asp:TextBox>
39 <asp:RequiredFieldValidator ID="RequiredFieldValidator2" runat="server" ControlToValidate="FirstName" ErrorMessage="Please enter first name">*</asp:RequiredFieldValidator>
40 </td>
41 </tr>
42 <tr>
43 <td class="auto-style6">LastName</td>
44 <td class="auto-style4">
45 <asp:TextBox ID="LastName" runat="server"></asp:TextBox>
46 <asp:RequiredFieldValidator ID="RequiredFieldValidator3" runat="server" ControlToValidate="LastName" ErrorMessage="Please enter last name">*</asp:RequiredFieldValidator>
47 </td>
48 </tr>
49 <tr>
50 <td class="auto-style5">
51 <asp:Label ID="BirthdayLabel" runat="server" Text="Birthday"></asp:Label>
52 </td>
53 <td>
54 <asp:TextBox ID="BirthdayTextBox" runat="server" OnTextChanged="BirthdayTextBox_TextChanged"></asp:TextBox>
55 <asp:RequiredFieldValidator ID="RequiredFieldValidator4" runat="server" ControlToValidate="BirthdayTextBox" ErrorMessage="Please enter a birthday">*</asp:RequiredFieldValidator>
56 <asp:CompareValidator ID="CompareValidator1" runat="server" ControlToValidate="BirthdayTextBox" ErrorMessage="Please enter a valid date" Operator="DataTypeCheck" Type="Date">*</asp:CompareValid
57 </td>
58 </tr>
59 <tr>
60 <td class="auto-style5">Email</td>
61 <td>
```

Rendered Form:

Home Life Academy		Label
FirstName	<input type="text"/>	*
LastName	<input type="text"/>	*
Birthday	<input type="text"/>	**
Email	<input type="text"/>	*
State	<input type="text" value="Select One"/>	*

- Error message 1.
- Error message 2.

Design | Split | Source | <html> <body> <form#form1> <div> <table.auto-style1> <tr> <td.auto-style5>

2. When attempting to validate by selecting “View in Browser”, the following error message was generated:

## 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:**

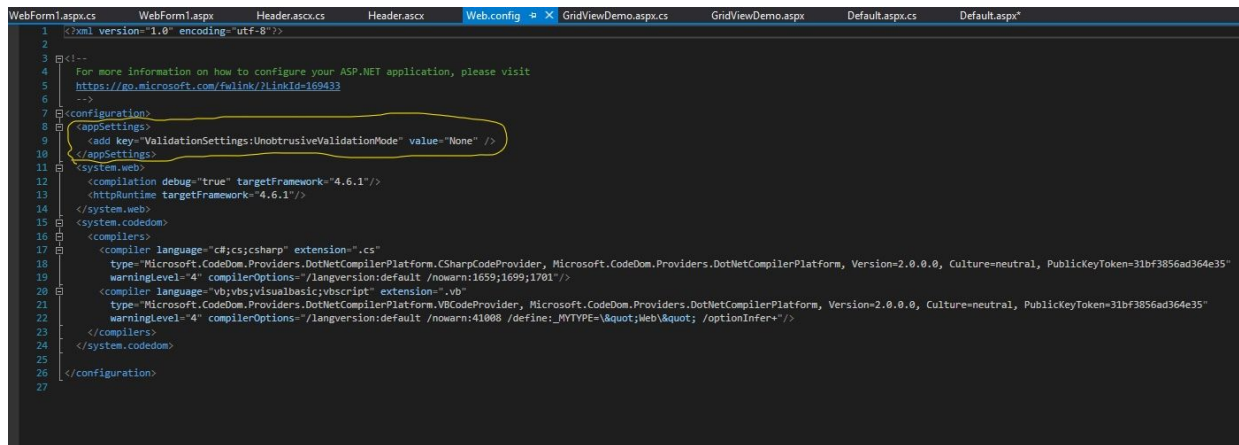
An unhandled exception was generated during the execution of the current web request. Information regarding the origin and location of the exception can be identified using the exception stack trace below.

**Stack Trace:**

```
[InvalidOperationException: WebForms UnobtrusiveValidationMode requires a ScriptResourceMapping for 'jquery'. Please add a ScriptResourceMapping named jquery(case-sensitive).]  
System.Web.UI.ClientScriptManager.EnsurejQueryRegistered() +2933313  
System.Web.UI.WebControls.BaseValidator.RegisterUnobtrusiveScript() +11  
System.Web.UI.WebControls.BaseValidator.OnPreRender(EventArgs e) +9791425  
System.Web.UI.Control.PreRenderRecursiveInternal() +88  
System.Web.UI.Control.PreRenderRecursiveInternal() +160  
System.Web.UI.Control.PreRenderRecursiveInternal() +160  
System.Web.UI.Page.ProcessRequestMain(Boolean includeStagesBeforeAsyncPoint, Boolean includeStagesAfterAsyncPoint) +883
```

**Version Information:** Microsoft .NET Framework Version 4.0.30319; ASP.NET Version 4.7.3282.0

3. In order to fix the issue, the following code was added to the Web.config file:



```
1 <?xml version="1.0" encoding="utf-8"?>  
2  
3 <!--  
4 For more information on how to configure your ASP.NET application, please visit  
5 https://go.microsoft.com/fwlink/?linkid=169433  
6 -->  
7 <configuration>  
8 <appSettings>  
9 <add key="ValidationSettings:UnobtrusiveValidationMode" value="None" />  
10 </appSettings>  
11 <system.web>  
12 <compilation debug="true" targetFramework="4.6.1"/>  
13 <httpRuntime targetFramework="4.6.1"/>  
14 </system.web>  
15 <system.codedom>  
16 <compilers>  
17 <compiler language="c#;cs;sharp" extension=".cs"  
18 type="Microsoft.CodeDom.Providers.DotNetCompilerPlatform.CSharpCodeProvider, Microsoft.CodeDom.Providers.DotNetCompilerPlatform, Version=2.0.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35"  
19 warningLevel="4" compilerOptions="/langversion:default /nowarn:1659;1699;1701"/>  
20 <compiler language="vb;vbs;visualbasic;visualscript" extension=".vb"  
21 type="Microsoft.CodeDom.Providers.DotNetCompilerPlatform.VBCodeProvider, Microsoft.CodeDom.Providers.DotNetCompilerPlatform, Version=2.0.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35"  
22 warningLevel="4" compilerOptions="/langversion:default /nowarn:41008 /define:_MYTYPE=""&quot;Web&quot; /optioninfer+"" />  
23 </compilers>  
24 </system.codedom>  
25 </configuration>  
26  
27
```

Additional details regarding the fix are provided below from a StackOverflow.com forum:

Since .NET 4.5 the Validators use data-attributes and bounded Javascript to do the validation work, so .NET expects you to add a script reference for jQuery.

There are two possible ways to solve the error:

Disable `UnobtrusiveValidationMode` :

Add this to web.config:

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

It will work as it worked in previous .NET versions and will just add the necessary Javascript to your page to make the validators work, instead of looking for the code in your jQuery file. This is the common solution actually.

Another solution is to register the script:

In Global.asax `Application_Start` add mapping to your jQuery file path:

```
void Application_Start(object sender, EventArgs e)
{
    // Code that runs on application startup
    ScriptManager.ScriptResourceMapping.AddDefinition("jquery",
        new ScriptResourceDefinition
        {
            Path = "~/scripts/jquery-1.7.2.min.js",
            DebugPath = "~/scripts/jquery-1.7.2.min.js",
            CdnPath = "http://ajax.aspnetcdn.com/ajax/jquery/jquery-1.4.1.min.js",
            CdnDebugPath = "http://ajax.aspnetcdn.com/ajax/jquery/jquery-1.4.1.js"
        });
}
```

Some details from MSDN:

**ValidationSettings:UnobtrusiveValidationMode** Specifies how ASP.NET globally enables the built-in validator controls to use unobtrusive JavaScript for client-side validation logic.

If this key value is set to "None" [default], the ASP.NET application will use the pre-4.5 behavior (JavaScript inline in the pages) for client-side validation logic.

If this key value is set to "WebForms", ASP.NET uses HTML5 data-attributes and late bound JavaScript from an added script reference for client-side validation logic.