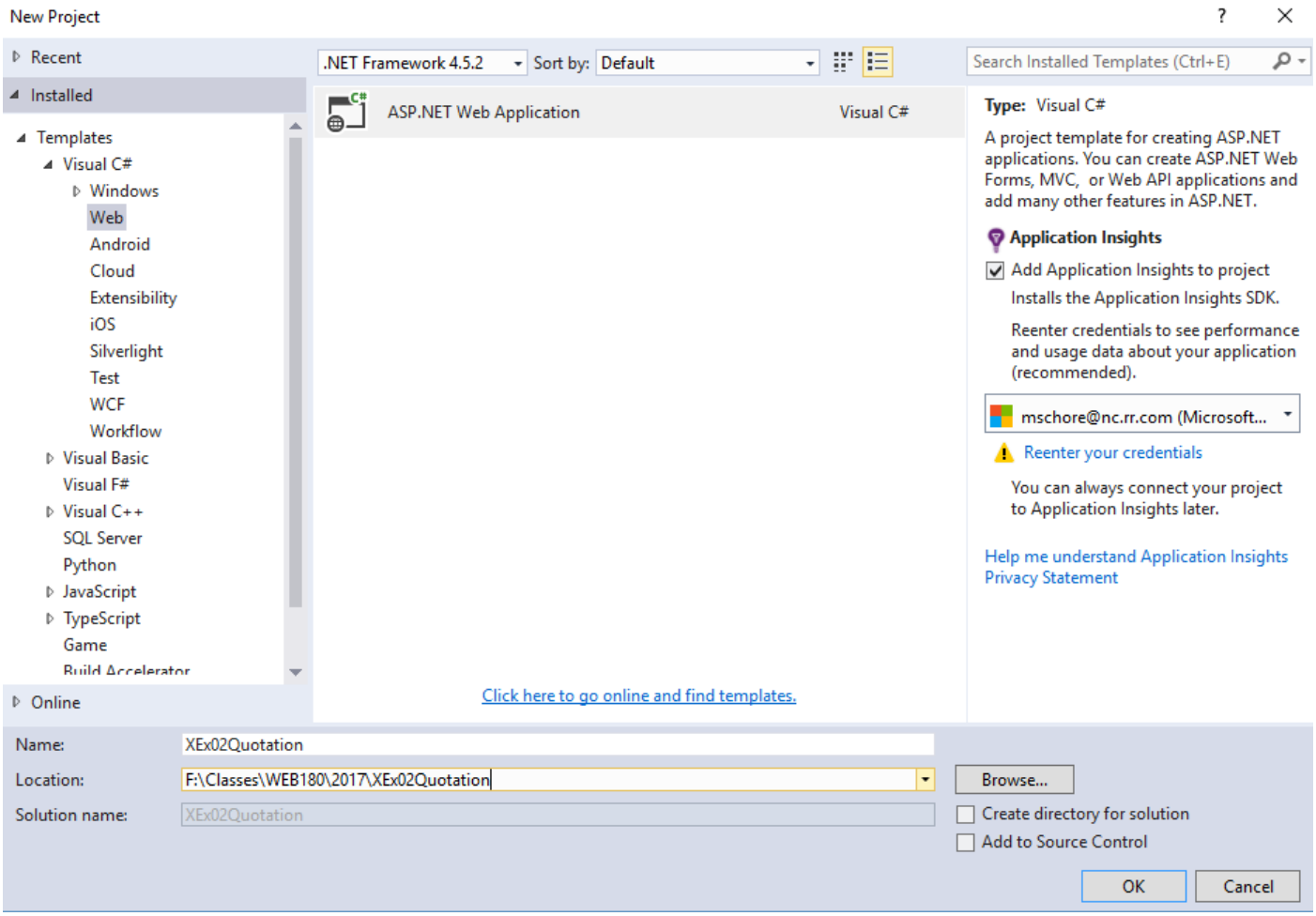
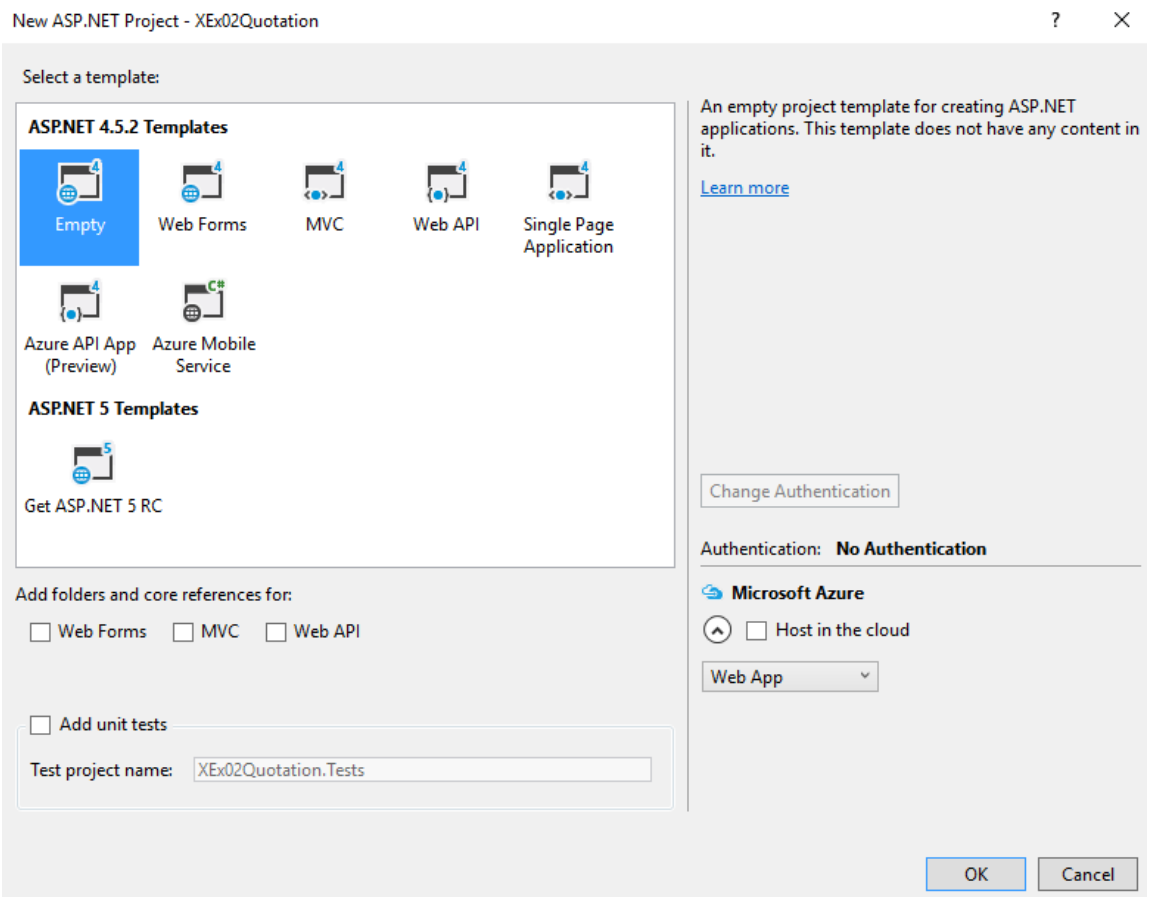
Lesson 4 Coding Activity

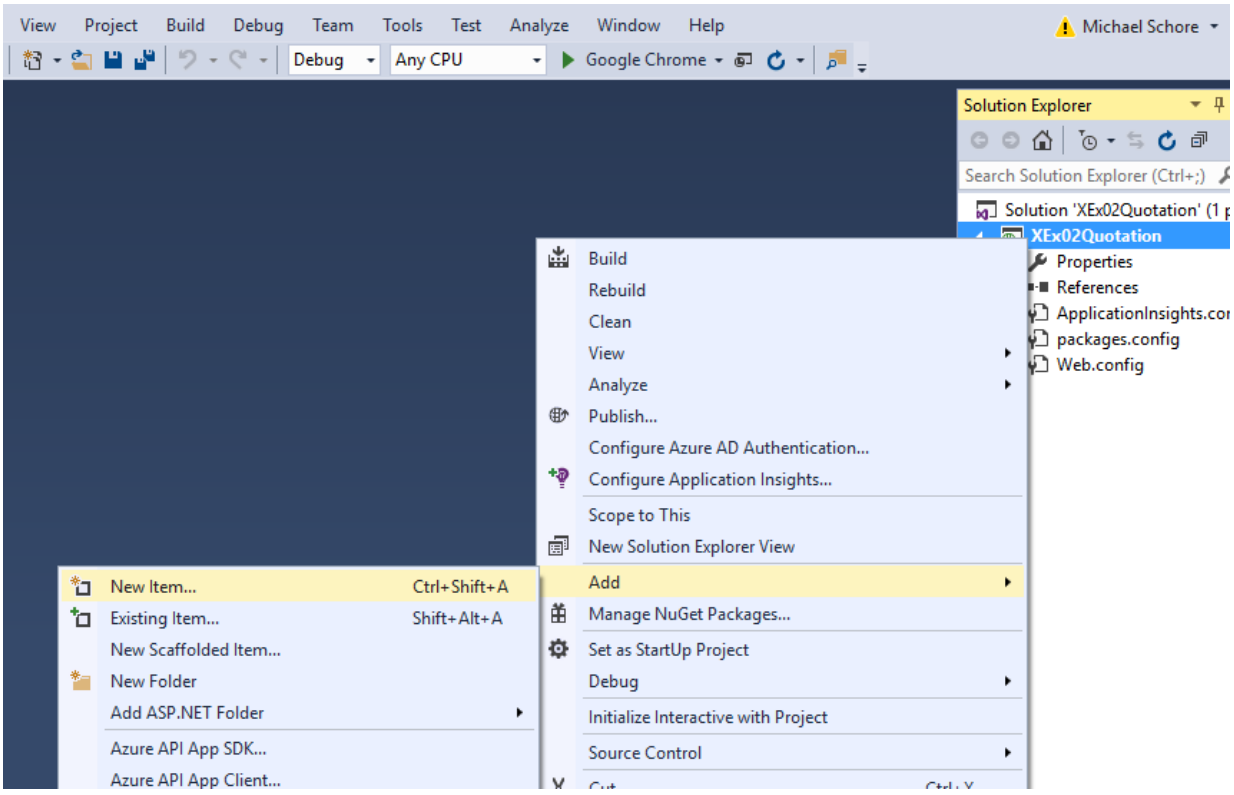
Create your new project in Visual Studio.



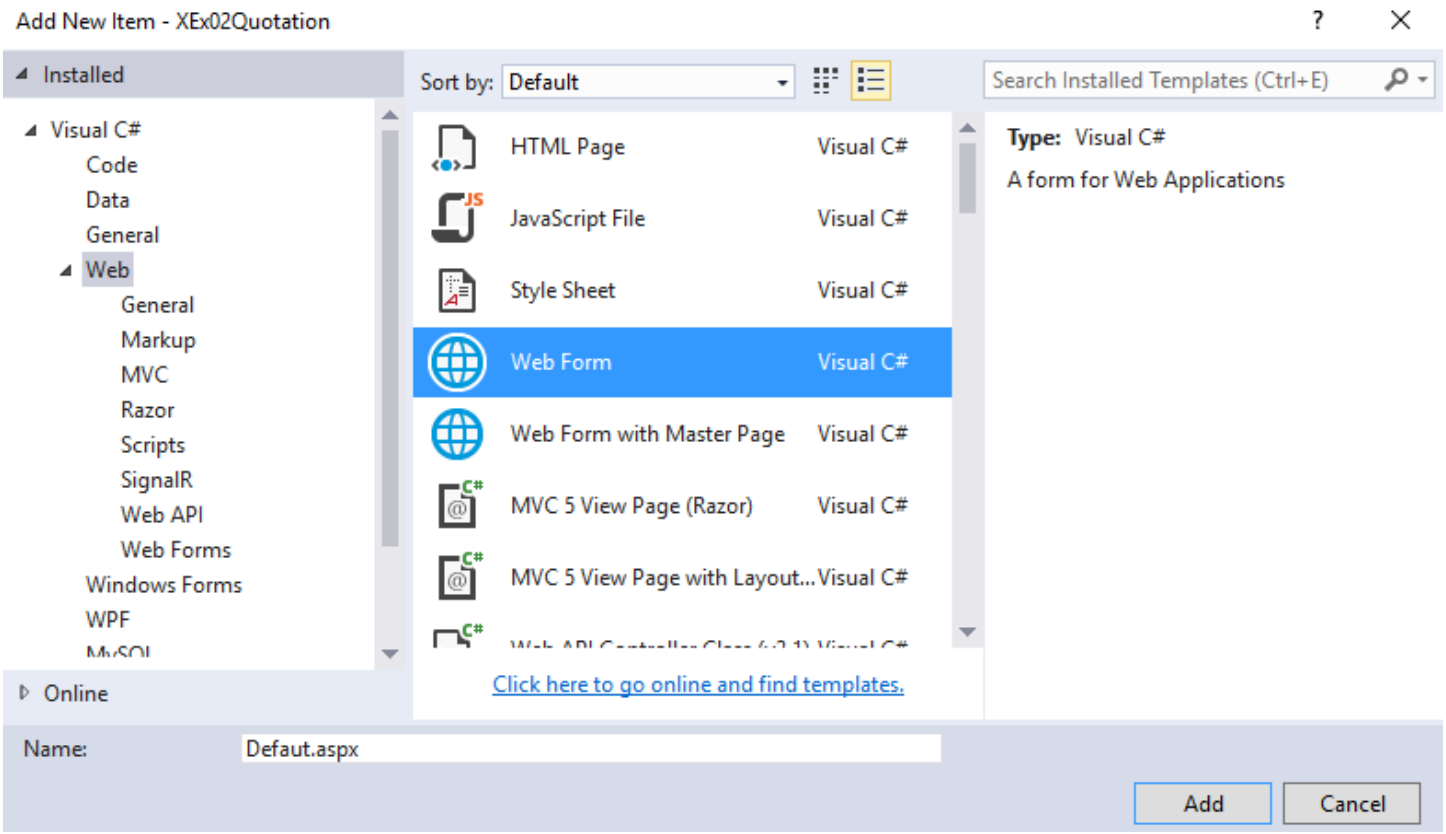
Use the Empty template.

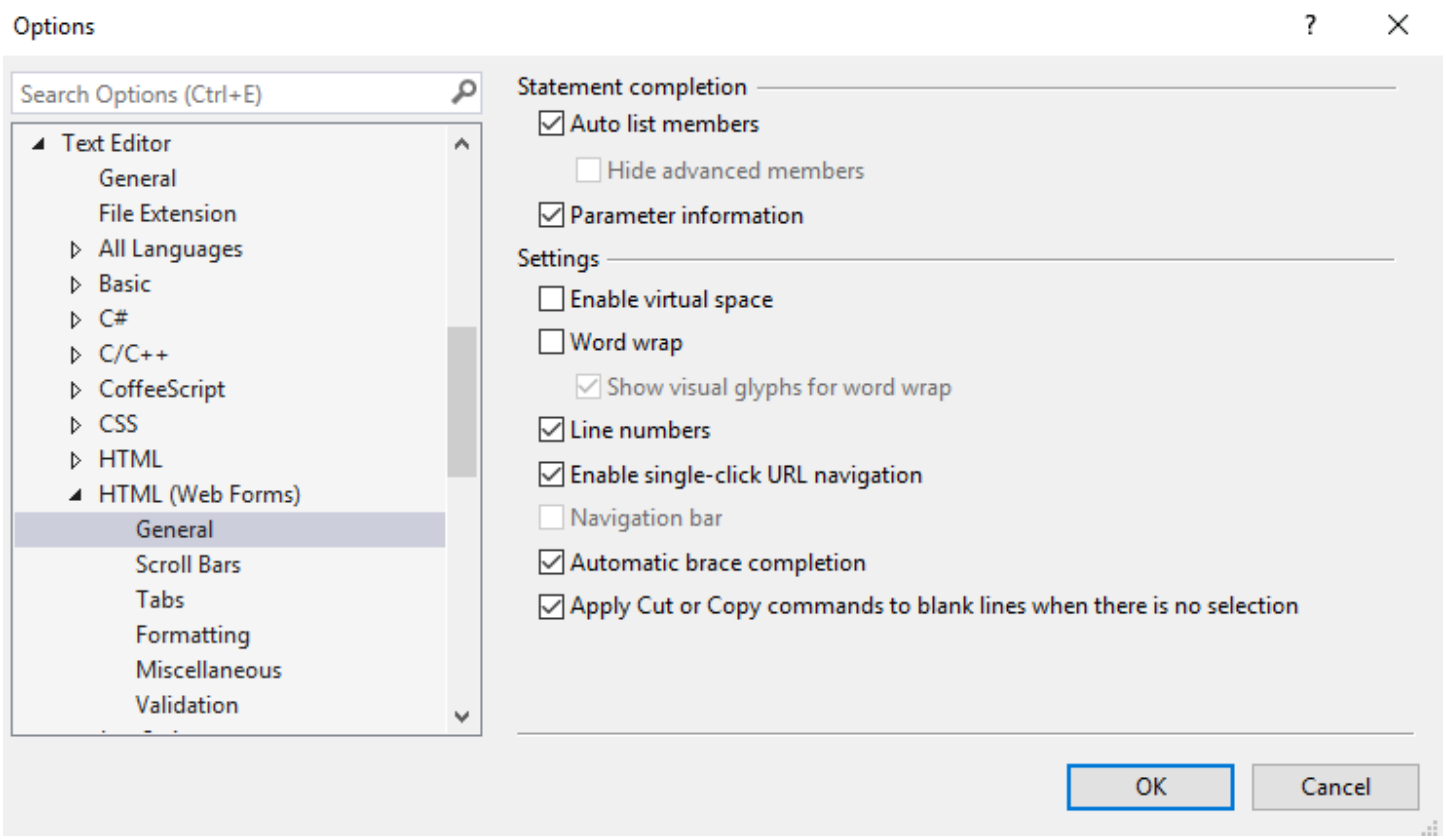


Once you have created the project add a new aspx file named default.aspx.



Select the appropriate file information as shown below.





Step 2

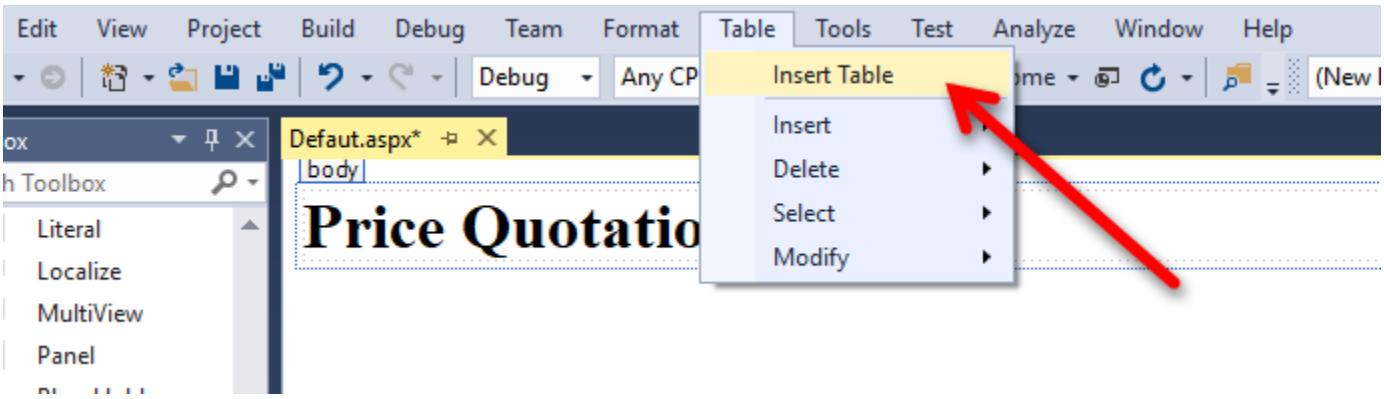
```
Defaut.aspx*
1  <%@ Page Language="C#" AutoEventWireup="true" CodeBehind="D
2
3  <!DOCTYPE html>
4
5  <html xmlns="http://www.w3.org/1999/xhtml">
6  <head runat="server">
7      <title>Price Quotation</title>
8  </head>
9  <body>
10     <form id="form1" runat="server">
```

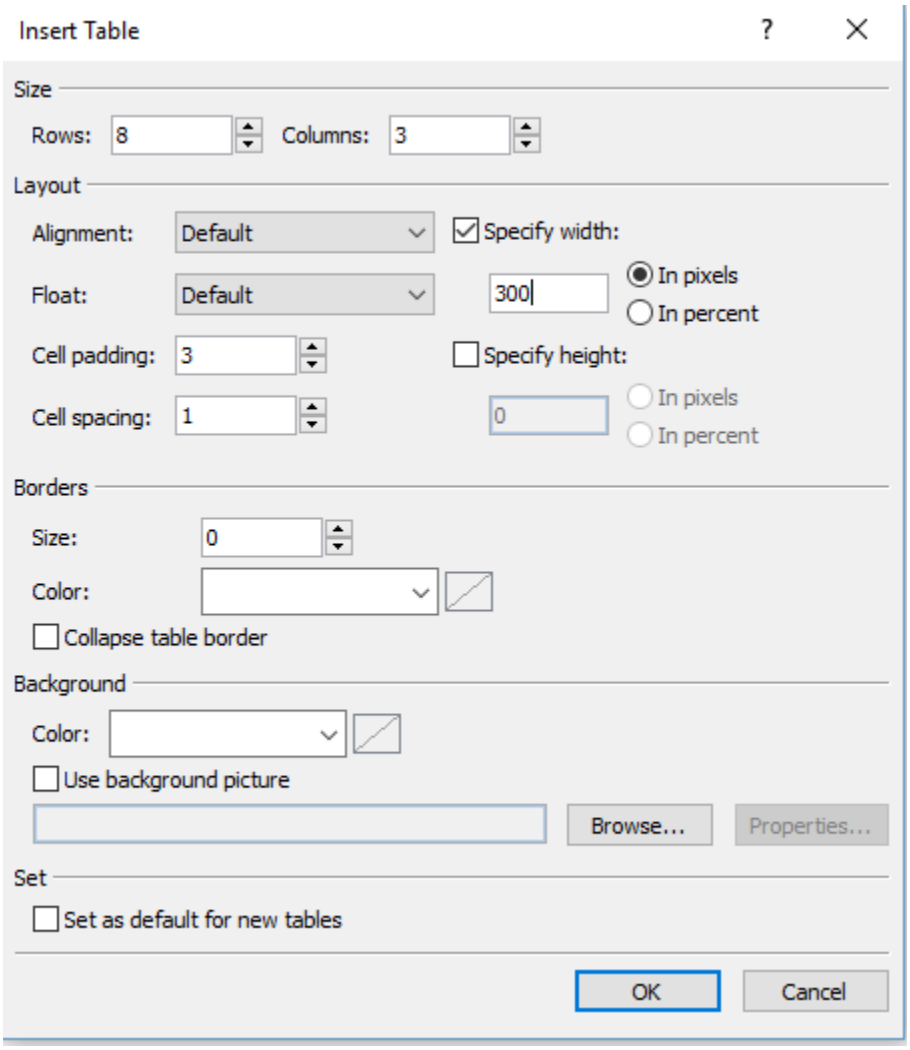
Step 3

```
9  <body>
10     <form id="form1" runat="server">
11     <div>
12         <h1>Price Quotation</h1>
13     </div>
14     </form>
15 </body>
16 </html>
17
```

Step 4

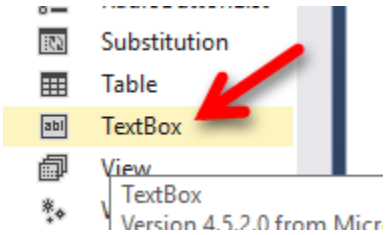
Change to Design view and select the Table menu item, then Insert Table.

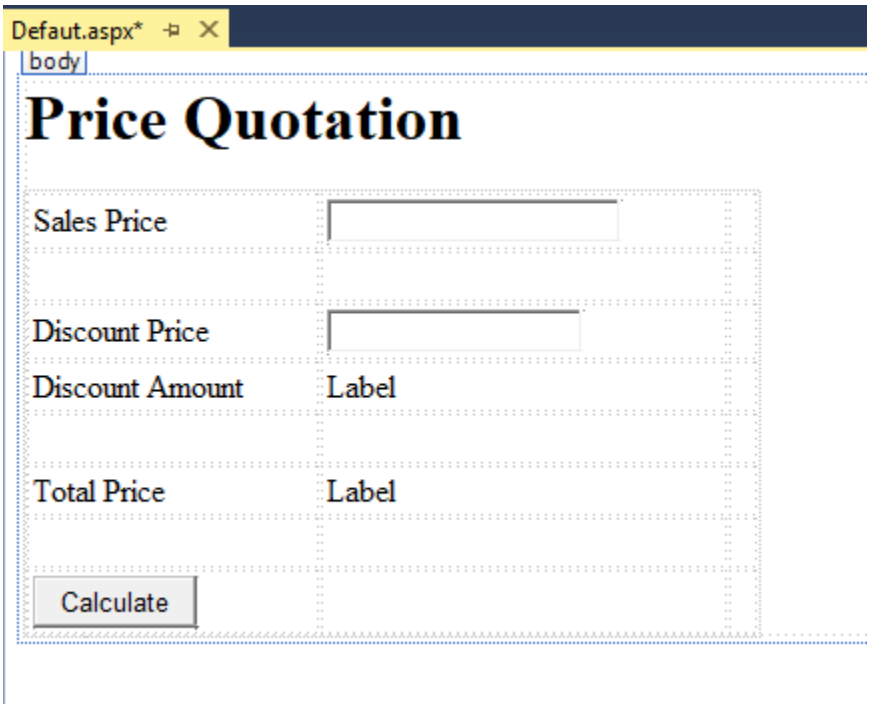




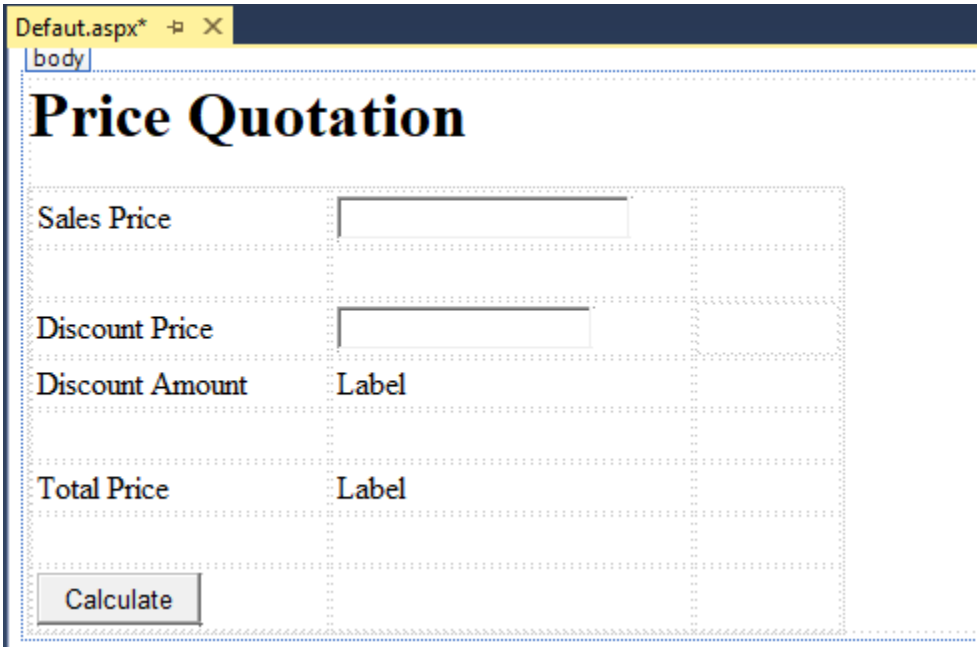
Step 5

Add content to the table.

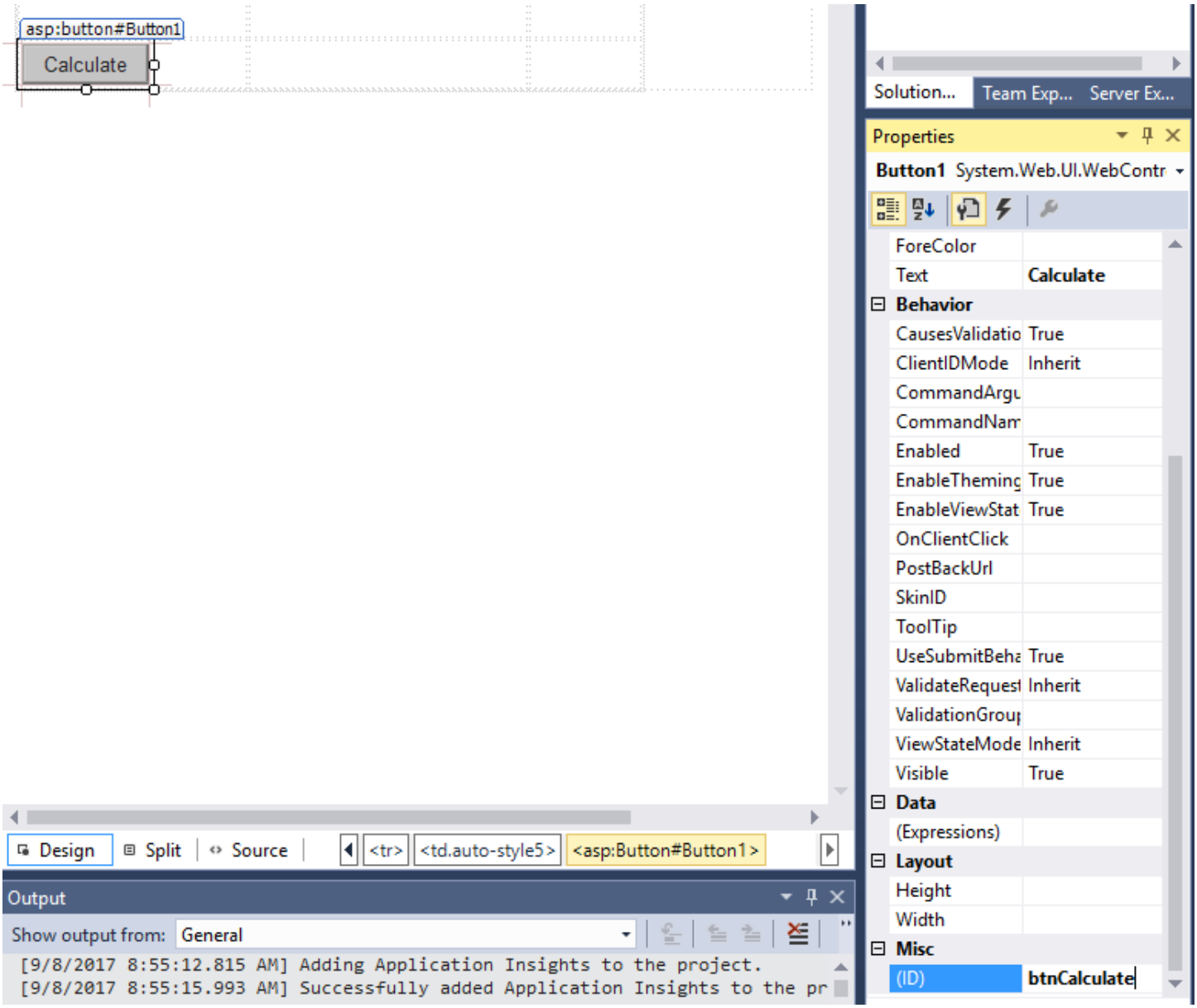



Defaut.aspx*
body
Price Quotation
Sales Price
Discount Price
Discount Amount
Label
Total Price
Label
Calculate

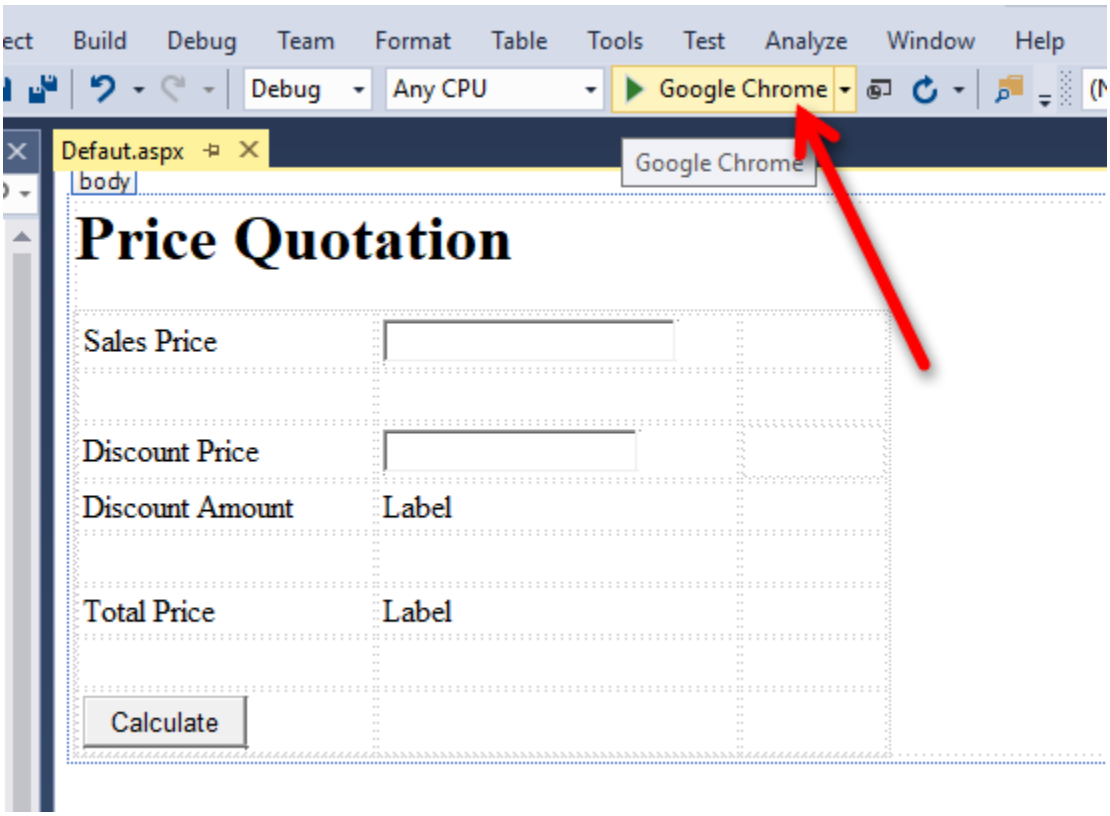
Step 6 & 7


Defaut.aspx*
body
Price Quotation
Sales Price
Discount Price
Discount Amount
Label
Total Price
Label
Calculate

Step 8


asp:button#Button1
Calculate
Solution...
Team Exp...
Server Ex...
Properties
Button1 System.Web.UI.WebContr
ForeColor
Text
Calculate
Behavior
CausesValidatio
True
ClientIDMode
Inherit
CommandArgu
CommandNam
Enabled
True
EnableTheming
True
EnableViewStat
True
OnClientClick
PostBackUrl
SkinID
ToolTip
UseSubmitBeha
True
ValidateRequest
Inherit
ValidationGrou
ViewStateMode
Inherit
Visible
True
Data
(Expressions)
Layout
Height
Width
Misc
(ID)
btnCalculate
Design
Split
Source
<tr>
<td.auto-style5>
<asp:Button#Button1>
Output
Show output from:
General
[9/8/2017 8:55:12.815 AM] Adding Application Insights to the project.
[9/8/2017 8:55:15.993 AM] Successfully added Application Insights to the pr

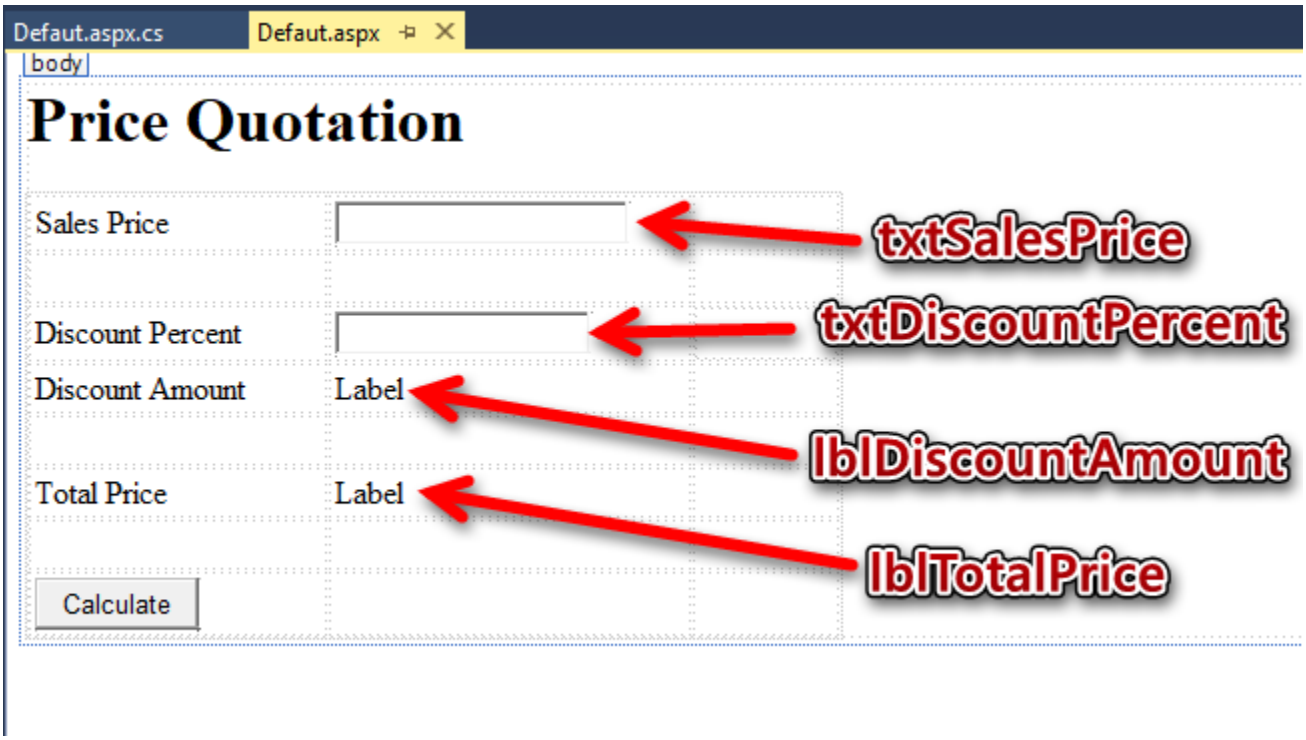
Step 9



Which should show…

Step 10

Open the Default.aspx.cs file created when you created the default.aspx page. You will be creating code based on the following information. You always have the option of naming these items what you want as long as you are consistent.

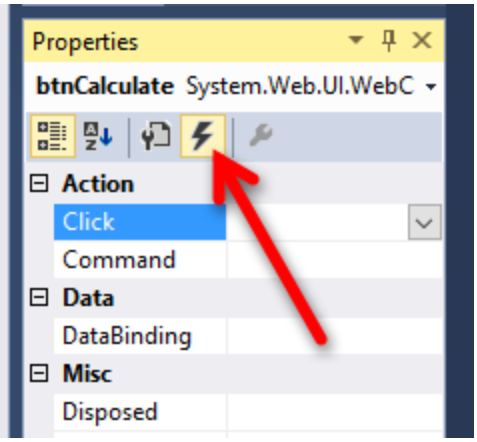


The names shown above are actually control IDs.

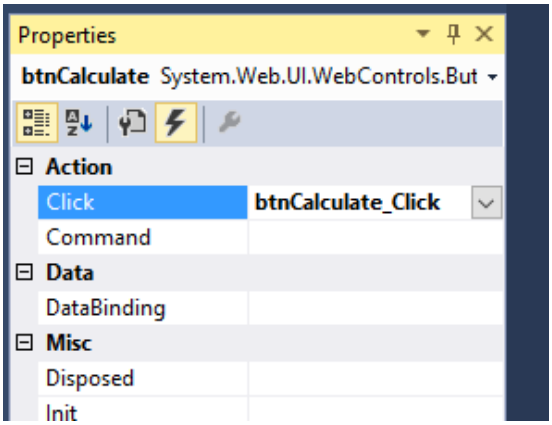
Once you have the IDs set you then go to the C# file and create a handler.

```
16
17          protected void btnCalculate_Click(object sender, EventArgs e)
18          {
19              if (IsValid)
20              {
21                  decimal salesPrice = Convert.ToDecimal(txtSalesPrice.Text);
22                  decimal discountPercent = Convert.ToDecimal(txtDiscountPercent.Text) / 100;
23
24                  decimal discountAmount = salesPrice * discountPercent;
25                  decimal totalPrice = salesPrice - discountAmount;
26
27                  lblDiscountAmount.Text = discountAmount.ToString("c");
28                  lblTotalPrice.Text = totalPrice.ToString("c");
29              }
30          }
```

Save the file and run the default page again. You will find that there will be one problem to overcome. You need to wire up the control and the handler. Go back to the Default.aspx page and select the button. Right click and select Properties from the menu. In the Properties window, select the Events icon.



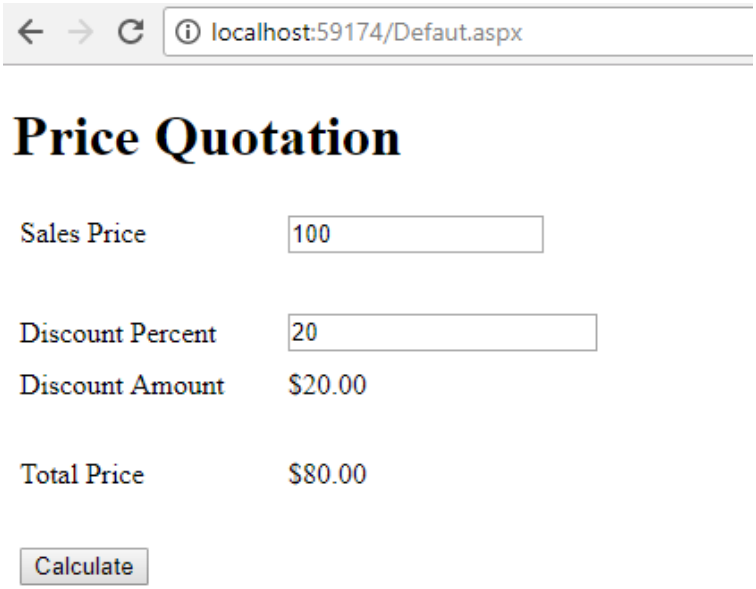
On the Click Action, click on the dropdown.



Select the btnCalculate_Click handler that you just added.

Step 11

Now you can view the page in the browser.



Now you can continue and add the validators in Steps 12-16