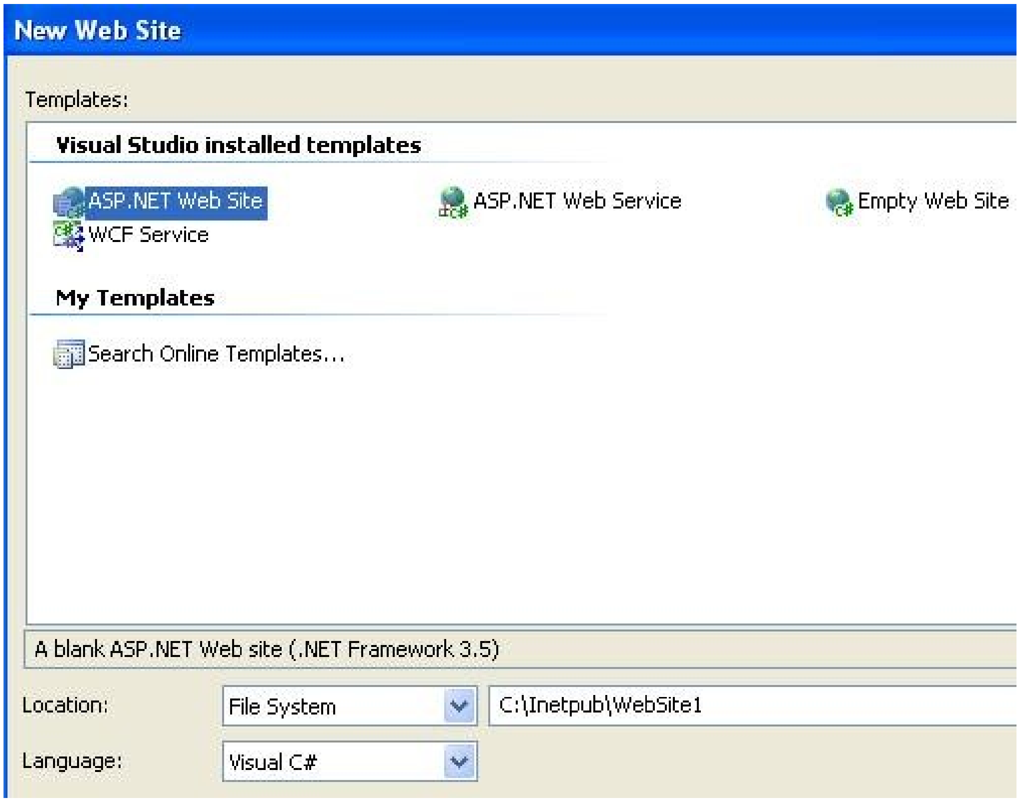
Introduction to Visual Web Developer 2008 Express Edition C# (WebDev1)

To start, one needs to establish a web site.



A blank ASP.NET Web site (.NET Framework 3.5)

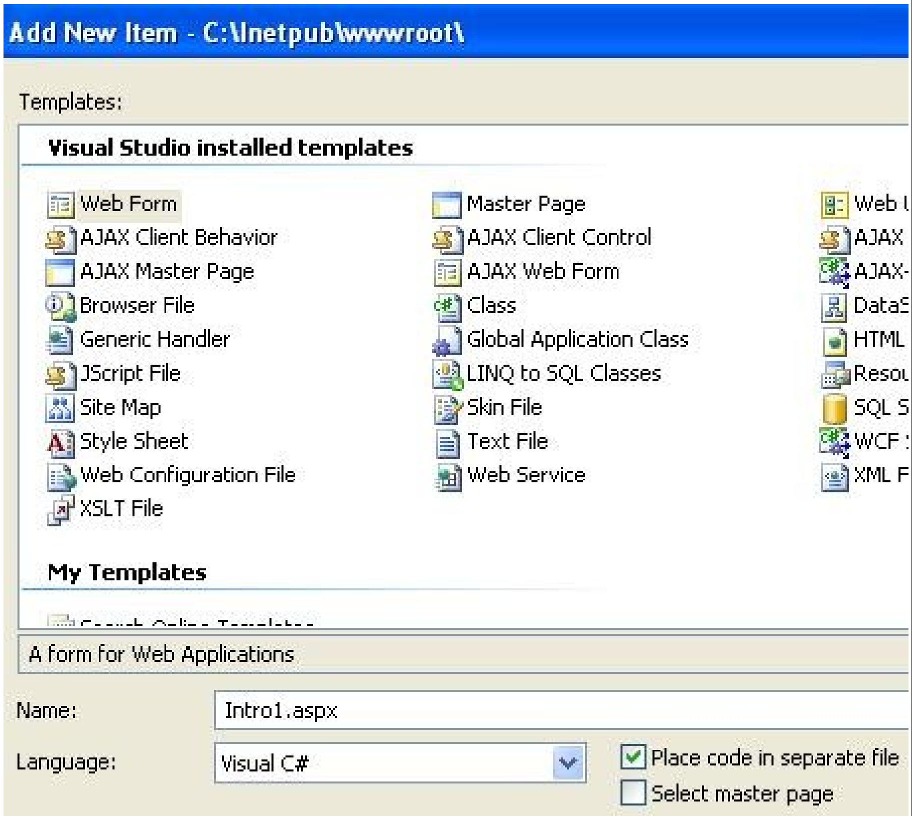
Location: File System C:\Inetpub\WebSite1

Language: Visual C#

Illustration 1: Establishing a New Web Site on My Hard Drive

In establishing a beginning web site I was very conservative, and declared it (by browsing) to be **C:\Inetpub\wwwroot** which is the root of the IIS based server running on my desktop machine. I know, one can put these anywhere, but from the point of view of testing this using another computer (a Linux box also on my (physical) desktop) this is the absolutely simplest solution, i.e., appropriate for beginners. I also choose C# as my language of choice.

To add a web form:



A form for Web Applications

Name: Intro1.aspx

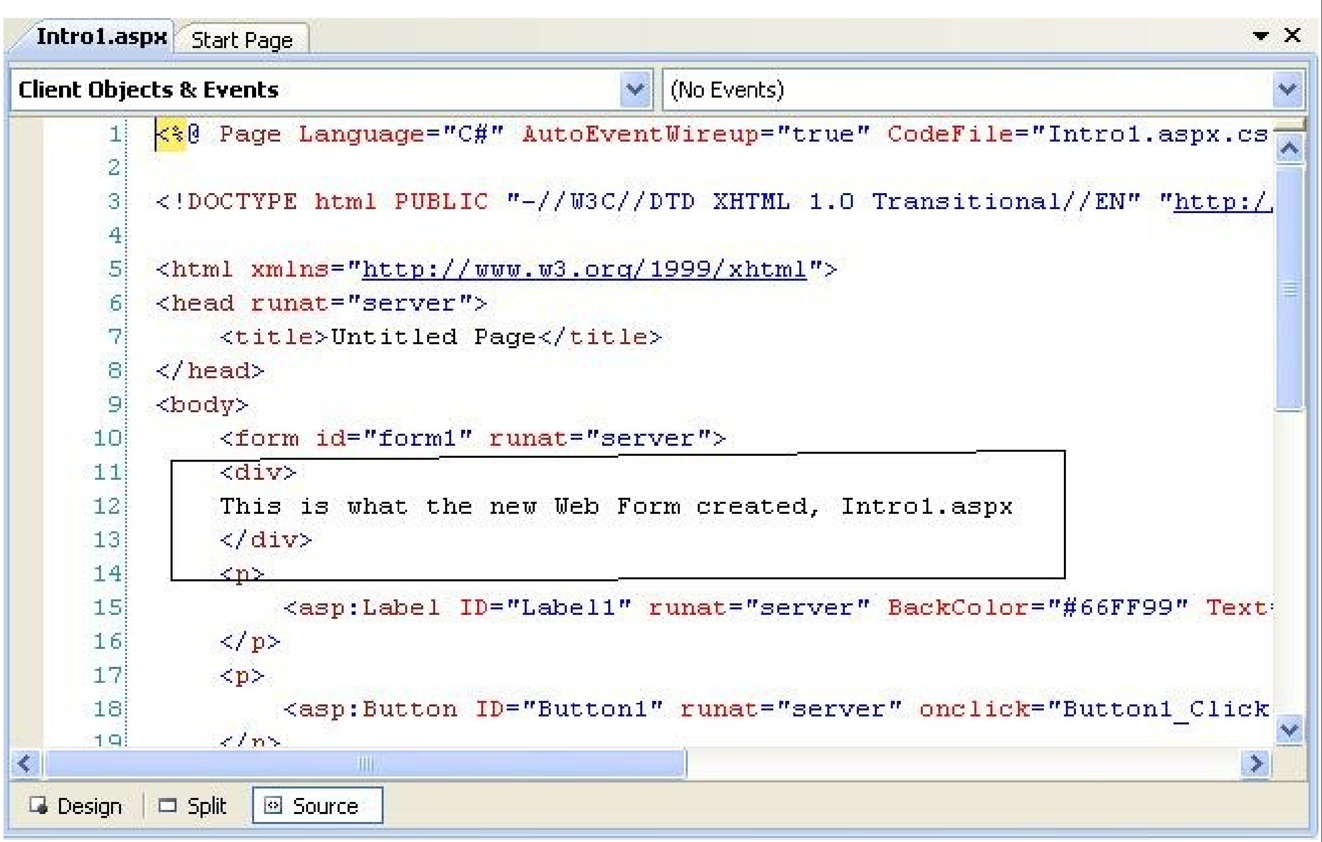
Language: Visual C#

☑ Place code in separate file

□ Select master page

Illustration 2: What the screen looks like when one is creating "something" new

I called it Intro1. This brought up a Web Page (in HTML) in which I typed the message:”This is what the new Web Form created Into1.aspx” alright, not too cool, but once a nerd, always a nerd.



```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Intro1.aspx.cs

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http:/

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Untitled Page</title>
</head>
<body>
    <form id="form1" runat="server">
    <div>
    This is what the new Web Form created, Intro1.aspx
    </div>
    <p>
        <asp:Label ID="Label1" runat="server" BackColor="#66FF99" Text=
    </p>
    <p>
        <asp:Button ID="Button1" runat="server" onclick="Button1_Click
    </p>
```

Illustration 3: The opening html page, with the text I typed in highlighted

Right clicking on this page will bring up the C# code page for it, Intro1.aspx.cs and right click on it, get designer. Drag a button over from the Toolbox onto the form. Double click on “Button” to bring up code, and insert Response.Write(“Hello World”); Later, when you load the page and click on the button, Hello World appears at the top! Amazing!

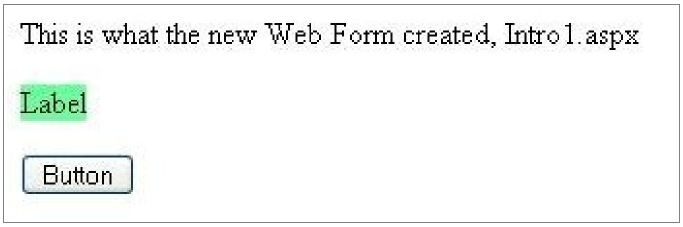
Drag a Label onto the .apsx form, and change the button1_Click code:

```
public partial class Intro1 : System.Web.UI.Page
{
   protected void Page_Load(object sender, EventArgs e)
   {

   }
   protected void Button1_Click(object sender, EventArgs e)
   {
      Response.Write("Hello World");
      Label1.Text = DateTime.Now.Date.ToLongDateString() +" " +
         DateTime.Now.TimeOfDay.ToString();
   }
}
```

To run this code

When on points a browser at the location where this is stored, one will see the following:

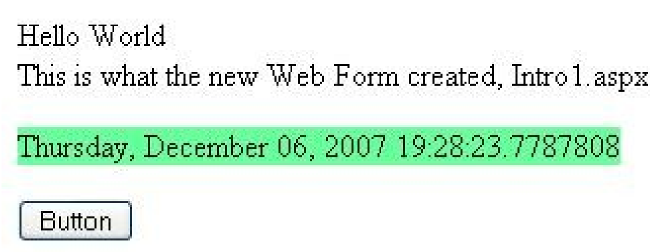


This is what the new Web Form created, Intro1.aspx

Illustration 4: Screen dump showing the results of the (above) code.

But, running the code turns out to be non-trivial. I use Firefox as my default browser, and so I need to point it at http://137.99.123.189/Intro1.aspx to "run" the program. The URL was found using ipconfig in a cmd.exe window. Alternatively, you can point a browser at http://localhost:xxxx but one needs to know xxxx and that's coming soon (*vide infra*).

The miracle is that when one clicks on the Button, one obtains:



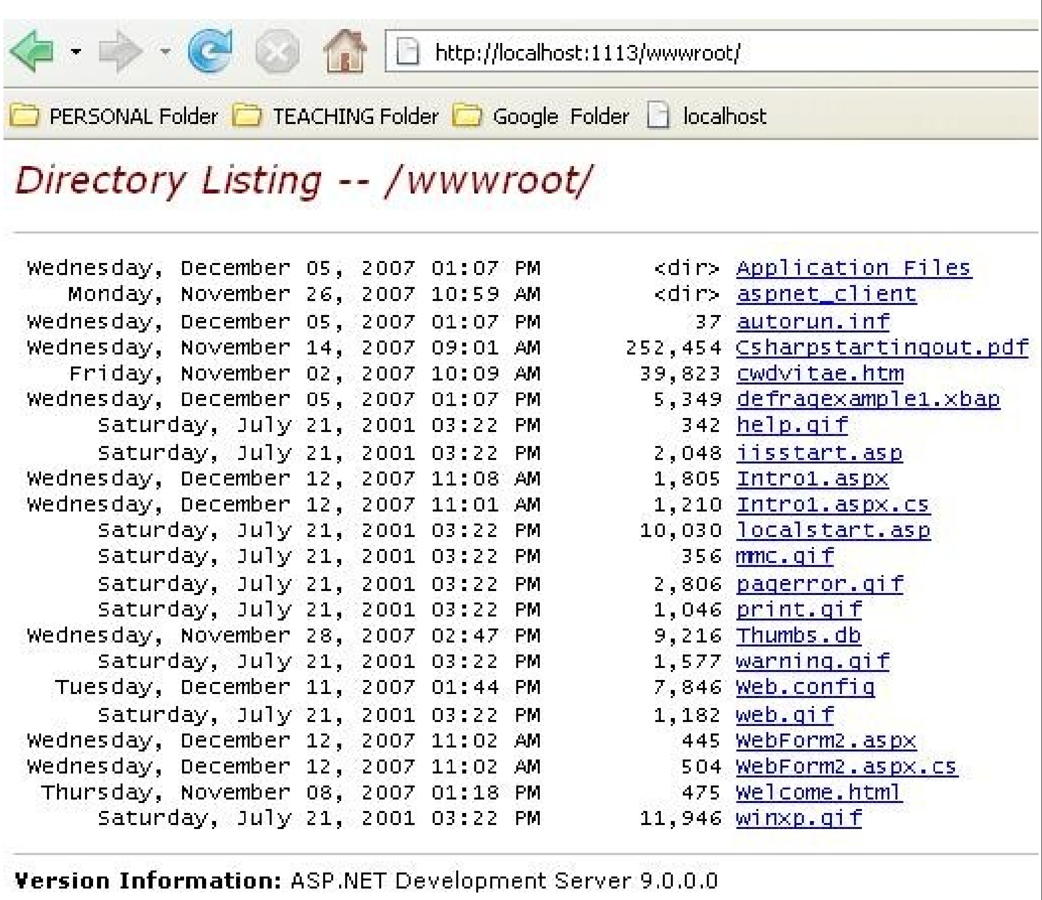
Hello World
This is what the new Web Form created, Intro1.aspx

Thursday, December 06, 2007 19:28:23.7787808

Illustration 5: The results of clicking on the Button

Amazing! By the way, I selected the color Green for the Label by finding the color (background) in the properties list and choosing a color.

Parenthetically, dialing http://137.99.123.189/ into your browser will leave you with:



Directory Listing -- /wwwroot/

```
Wednesday, December 05, 2007 01:07 PM        <dir> Application Files
   Monday, November 26, 2007 10:59 AM        <dir> aspnet_client
Wednesday, December 05, 2007 01:07 PM           37 autorun.inf
Wednesday, November 14, 2007 09:01 AM      252,454 Csharpstartingout.pdf
   Friday, November 02, 2007 10:09 AM       39,823 cwdvitae.htm
Wednesday, December 05, 2007 01:07 PM        5,349 defragexample1.xbap
     Saturday, July 21, 2001 03:22 PM          342 help.gif
     Saturday, July 21, 2001 03:22 PM        2,048 iisstart.asp
Wednesday, December 12, 2007 11:08 AM        1,805 Intro1.aspx
Wednesday, December 12, 2007 11:01 AM        1,210 Intro1.aspx.cs
     Saturday, July 21, 2001 03:22 PM       10,030 localstart.asp
     Saturday, July 21, 2001 03:22 PM          356 mmc.gif
     Saturday, July 21, 2001 03:22 PM        2,806 pagerror.gif
     Saturday, July 21, 2001 03:22 PM        1,046 print.gif
Wednesday, November 28, 2007 02:47 PM        9,216 Thumbs.db
     Saturday, July 21, 2001 03:22 PM        1,577 warning.gif
  Tuesday, December 11, 2007 01:44 PM        7,846 Web.config
     Saturday, July 21, 2001 03:22 PM        1,182 web.gif
Wednesday, December 12, 2007 11:02 AM          445 WebForm2.aspx
Wednesday, December 12, 2007 11:02 AM          504 WebForm2.aspx.cs
 Thursday, November 08, 2007 01:18 PM          475 Welcome.html
     Saturday, July 21, 2001 03:22 PM       11,946 winxp.gif
```

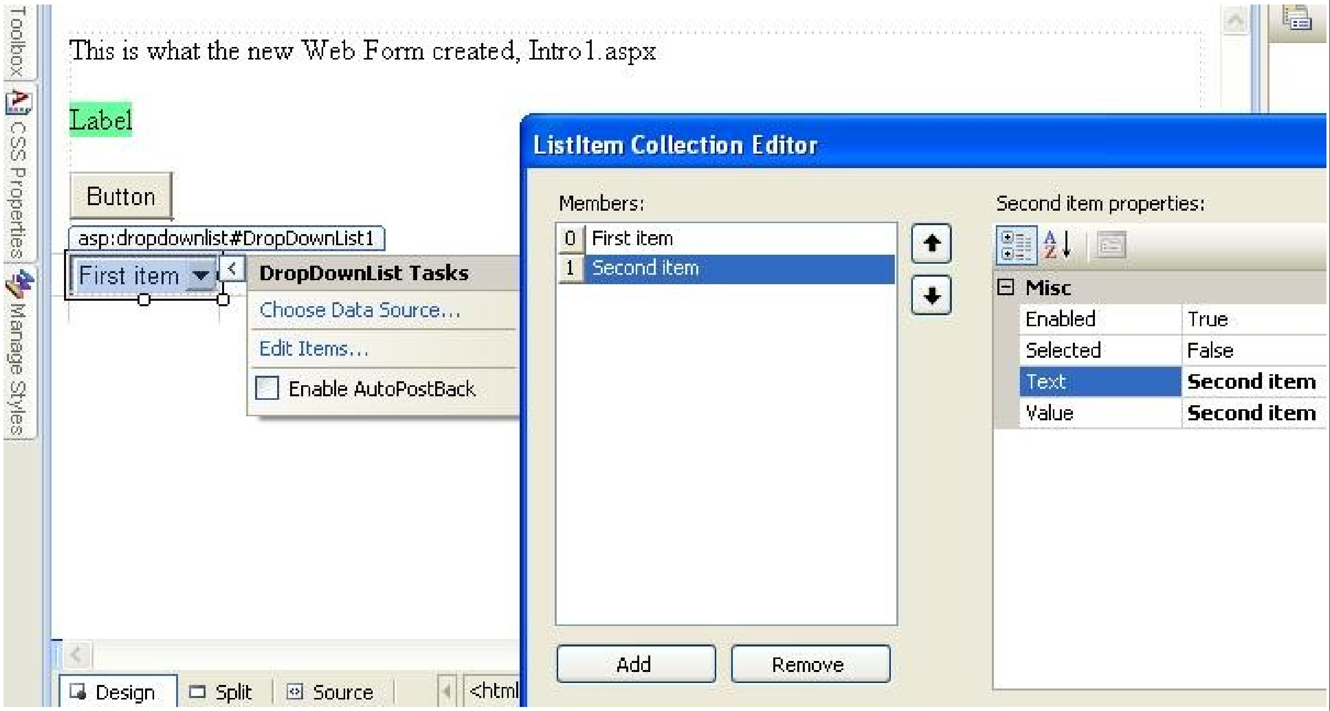
Version Information: ASP.NET Development Server 9.0.0.0

Illustration 6: The local host view of my web site

which is just plain miraculous!

Adding a Drop Down list

Dragging a DropDownList item from the Toolbox onto the form allows one to create a drop down choice list, and clicking on the “Edit Items ...” list allows you to adjust what items are required. You can edit the items, add new ones, edit what's shown as Text, etc..



This is what the new Web Form created, Intro1.aspx

Enabled	True
Selected	False
Text	Second item
Value	Second item

Illustration 7: This is how to add a pull-down list and adjust its contents.

Adding a PopUpWindow

This turns out to be non-trivial, and the code was stolen from http://forums.asp.net/t/1190488.aspx and adjusted. We have:

```
using System;
using System.Collections;
using System.Configuration;
using System.Data;
using System.Linq;
using System.Web;
using System.Web.Security;
using System.Web.UI;
using System.Web.UI.HtmlControls;
using System.Web.UI.WebControls;
using System.Web.UI.WebControls.WebParts;
using System.Xml.Linq;

public partial class Intro1 : System.Web.UI.Page
{
  protected void Page_Load(object sender, EventArgs e)
  {
    // WebForm1 page_load event
    Session["Test"] = "Hello World";
    Button2.Attributes.Add("onclick", "window.open('WebForm2.aspx','','height=300,width=300');return false");
  }
  protected void Button1_Click(object sender, EventArgs e)
  {
    Response.Write("Hello World");
    //Label1.Text = DateTime.Now.ToLongDateString();
    Label1.Text = DropDown_return + ", " + DateTime.Now.Date.ToLongDateString() + " " +
       DateTime.Now.TimeOfDay.ToString();
  }
  protected void DropDownList1_SelectedIndexChanged(object sender, EventArgs e)
  {
    DropDown_return = DropDownList1.Text;
  }
  String DropDown_return = "1st month";
  protected void Button2_Click(object sender, EventArgs e)
  {
    Response.Write("Button2 clicked");//perhaps this is co-opted?
  }
}
```

When one puts the lines

```
Session["Test"] = "Hello World";
      Button2.Attributes.Add("onclick", "window.open('WebForm2.aspx','','height=300,width=300');return false");
```

inside the Button2_Click response (as indicated in the original posting), the first time you click on the button nothing happens and the second time you get a child window. So I moved the code to the Page_Load object, which means that the first time you click on Button2 you get what you expect. More important, apparently, the javascript code I've inserted co-opts the C# code for Button2_Click, since the "Response.Write("Button2 clicked");//perhaps this is co-opted?" command is never executed.

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