

# C# Web Forms



Unit 9 : ASP.NET Introduction

# ASP.NET (Active Server Pages)

**Microsoft's Web  
Programming Technology**

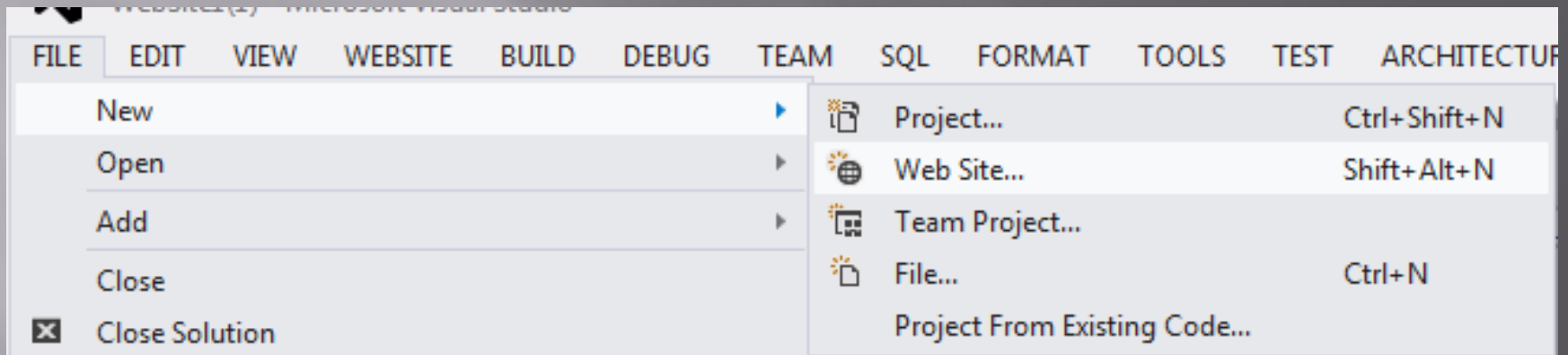
**Create a new WEB Site  
(instead of a Windows Application)**

**produces**

**HTML code  
stored in an .aspx file**

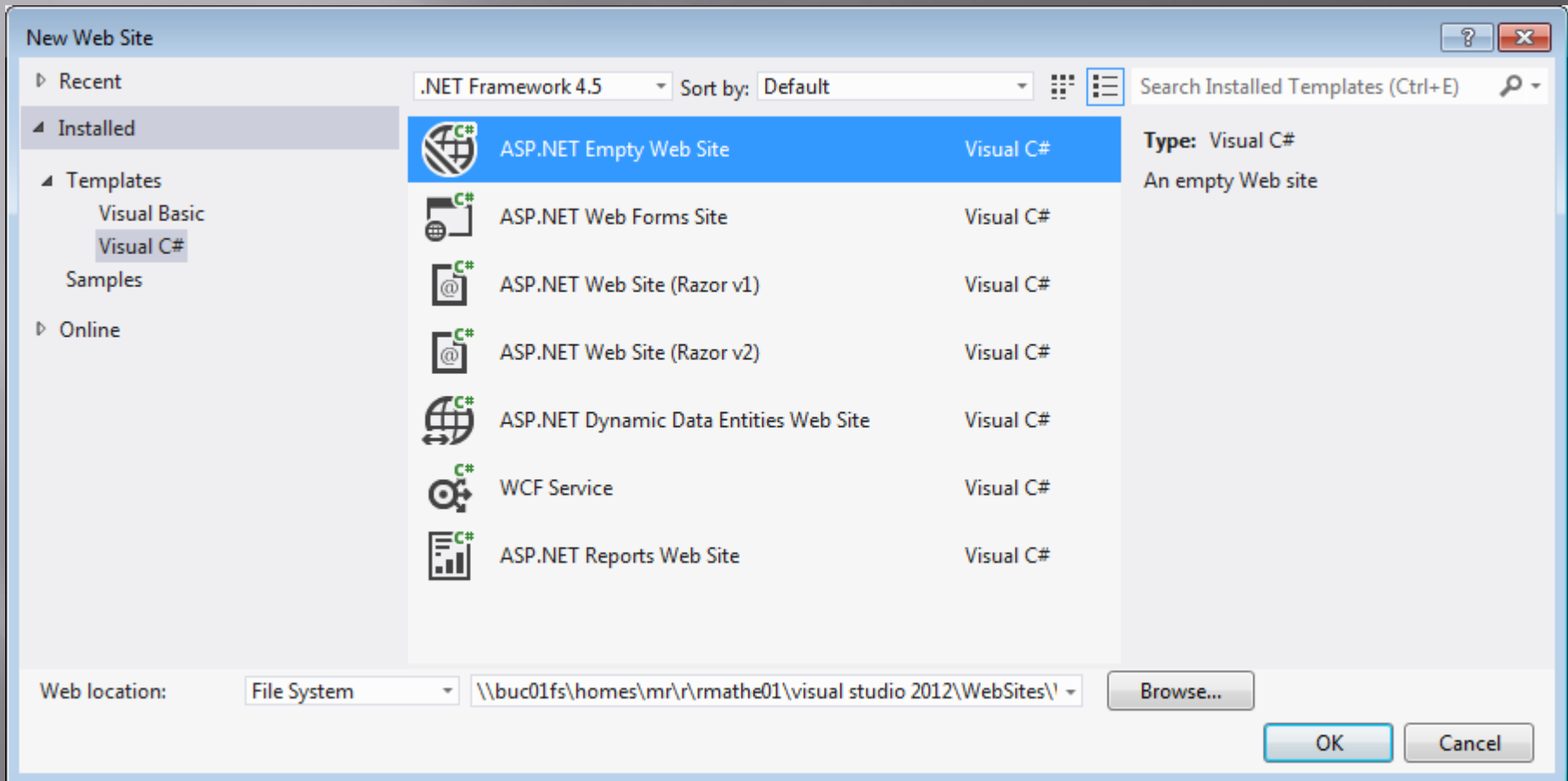
**C# code  
stored in an .aspx.cs file**

# Creating a new Web Site (1)



Create a new **WEB Site**  
(instead of a Windows Application)

# Creating a new Web Site (2)



**Select a name and file location**

# Result

FILE EDIT VIEW PROJECT BUILD DEBUG TEAM SQL TOOLS TEST ARCHITECTURE ANALYZE WINDOW HELP

Google Chrome Debug

Web.config

```
<?xml version="1.0"?>
<!--
  For more information on how to configure your ASP.NET application, please visit
  http://go.microsoft.com/fwlink/?LinkId=169433
-->
<configuration>
  <system.web>
    <compilation debug="false" targetFramework="4.5" />
    <httpRuntime targetFramework="4.5" />
  </system.web>
</configuration>
```

100 %

Error List

0 Errors 0 Warnings 0 Messages

Description File

Solution Explorer

Solution 'WebSite4' (1 project)

- WebSite4
  - Web.config

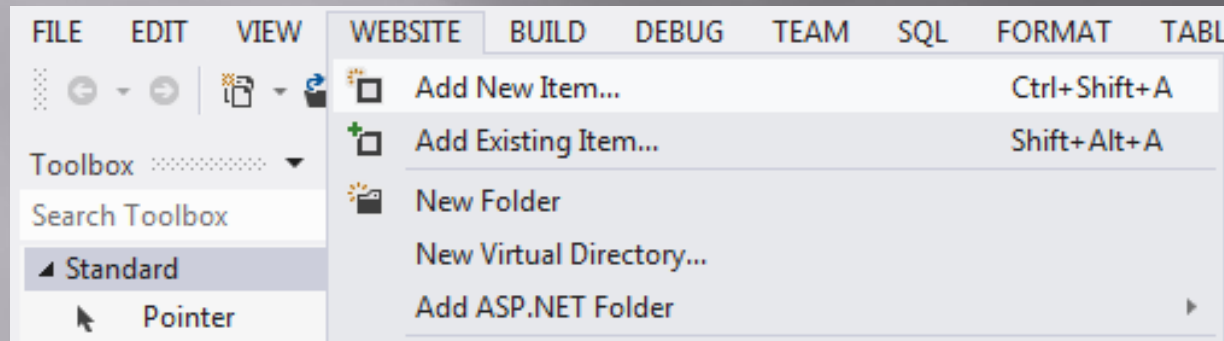
Properties

WebSite4 Solution Properties

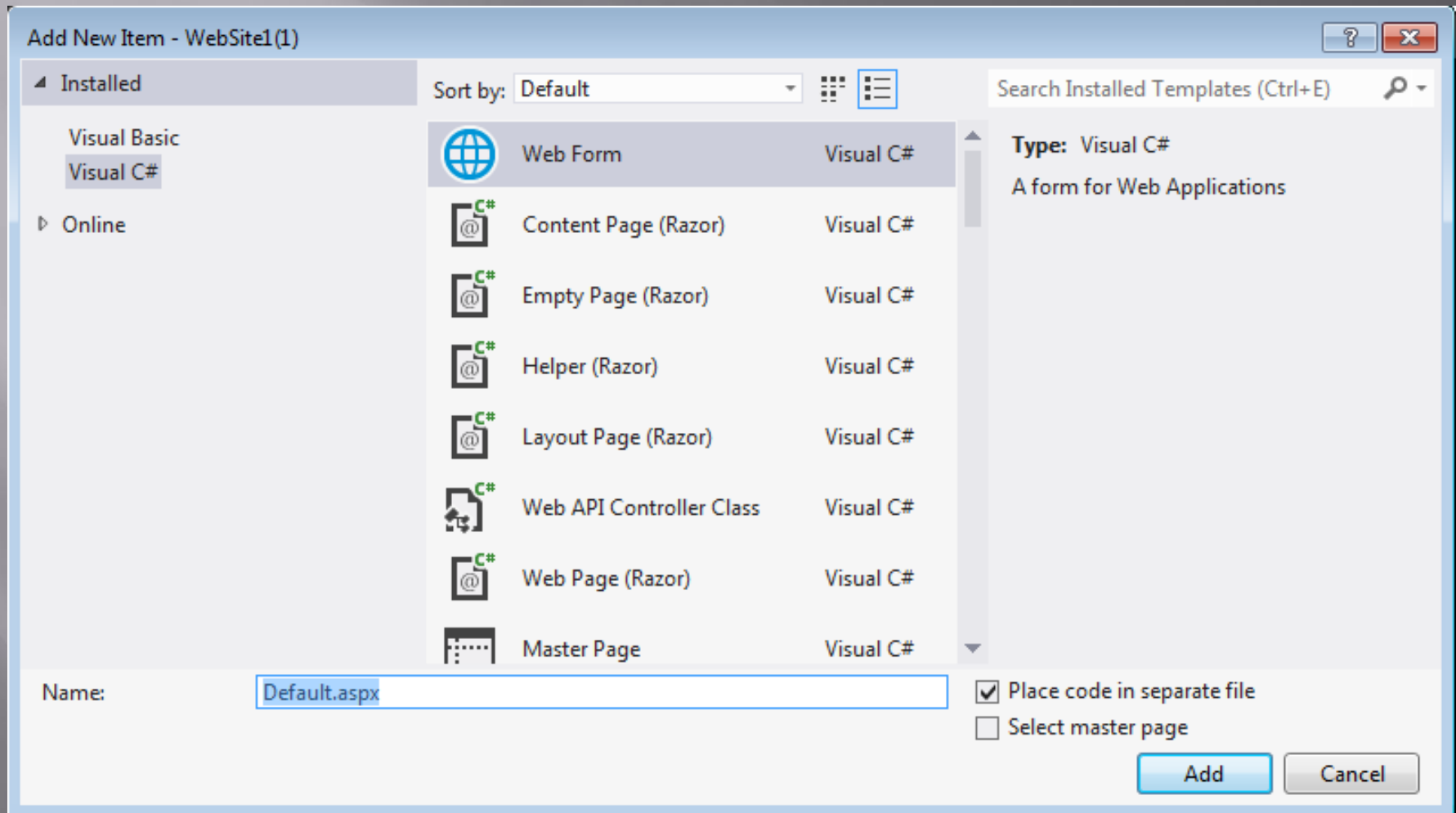
(Name)	WebSite4
Active config	Debug Any CPU
Description	
Path	\\buc01fs\homes\
Startup project	WebSite4

Now we need  
to add a  
form!

# Adding Default.aspx (1)



# Adding Default.aspx (2)



# Added Default.aspx

The screenshot displays the Microsoft Visual Studio environment for a project named 'WebSite4'. The main window shows the 'Default.aspx' file in 'Split' view, with the 'Source' tab active. The code editor contains the following HTML markup:

```
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title></title>
</head>
<body>
  <form id="form1" runat="server">
    <div>
      </div>
  </form>
</body>
```

The 'Design' view below the code editor shows a dashed box representing the 'div' element within the form. The 'Solution Explorer' on the right shows the project structure: 'WebSite4' containing 'Default.aspx' and 'Web.config'. The 'Properties' window at the bottom right shows the properties for the selected '<DIV>' element, including 'id', 'accesskey', 'aria-activedesc', 'aria-atomic', 'aria-autocomp', 'aria-busy', 'aria-checked', 'aria-controls', and 'aria-describedby'.



# Visual Studio design

The screenshot displays the Visual Studio IDE with a web form titled "Welcome to my Blog" in red, italicized text. The form includes a Superman image, a "Please enter your details below:" label, and input fields for "Enter your first name:", "Enter your surname:", and "Enter your age:". A "Country of Origin" dropdown menu is set to "UK", and there are radio buttons for "Male" and "Female". A "[lblMessage]" label is at the bottom. A red starburst annotation says "Add items & change properties" pointing to the Superman image. A red arrow annotation says "Select the Design tab" pointing to the "Design" tab in the bottom toolbar. The left sidebar shows a "Standard" toolbox with various controls like Pointer, AdRotator, BulletedList, Button, Calendar, CheckBox, etc. The right sidebar shows the Solution Explorer with a project named "WebSite1(1)" containing files like Default.aspx, Superman.jpg, superman.png, and Web.config. The Properties window shows the "DOCUMENT" class with properties like Class, Culture, Debug, etc.

# Result in an Internet Browser

The screenshot shows a web browser window with the following content:

- Browser title: Brian's famous blog
- Address bar: localhost:2354/Default.aspx
- Page title: **Welcome to my Blog**
- Image: Superman logo
- Text: **Please enter your details below:**
- Form fields:
  - Enter your first name:
  - Enter your surname:
  - Enter your age:
  - Country of Origin:
    - UK
    - Germany
    - Poland
    - India
  - Gender:  Male  Female
- Message: **Welcome to my blog, Mr Brian Ward from India**
- Buttons:

Annotations with yellow boxes and arrows point to the following elements:

- Text boxes and labels**: Points to the first name, surname, and age input fields.
- List Box**: Points to the Country of Origin dropdown menu.
- Radio buttons**: Points to the Male and Female radio button options.
- buttons**: Points to the Submit and Clear buttons.

