

Visual Web Developer 2005 Express Edition

Cheat Sheet : ASP.NET Basics

ASP.NET Special Folders

Bin	Contains assemblies used by the web application
App_Code	C# or VB source code that is common to the web site. Utility classes, modules BasePages etc.
App_Data	SQLExpress databases used by the web site.
App_GlobalResources	Resources shared across all pages and controls.
App_LocalResources	Resources specific to a page or control
App_WebReferences	References to web services
App_Themes	Contains .skin, .css and image files used for the themes of the site.
App_Browsers	Optional .browser capabilities files.

Common Page and Control Directives

```
<%@ Page Language="C#" %>
<%@ Page Language="VB" %>
<%@ Page Language="C#" CodeFile="Page1.aspx.cs" Inherits="Control1" %>
<%@ Page Language="VB" CodeFile="Page1.aspx.vb" Inherits="Control1" %>

<%@ Control Language="C#" %>
<%@ Control Language="VB" %>
<%@ Control Language="C#" CodeFile="Page1.ascx.cs" Inherits="Control1" %>
<%@ Control Language="VB" CodeFile="Page1.ascx.vb" Inherits="Control1" %>

<%@ Register TagPrefix="uc1" TagName="Control1" Src="Control1.ascx" %>
<%@ Register TagPrefix="lvs" Namespace="Lvs.Web.UI" Assembly="Lvs.Web" %>

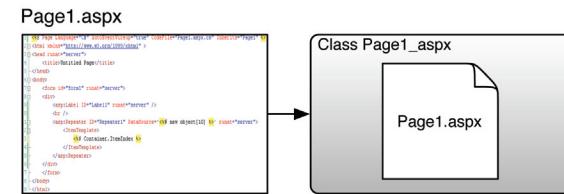
<%@ Import Namespace="System.Data" %>

<%@ OutputCache Duration="60" VaryByParam="none" %>
<%@ OutputCache Location="Server" VaryByParam="param1;param2" Duration="60" %>
<%@ OutputCache Location="None" NoStore="true" %>
```

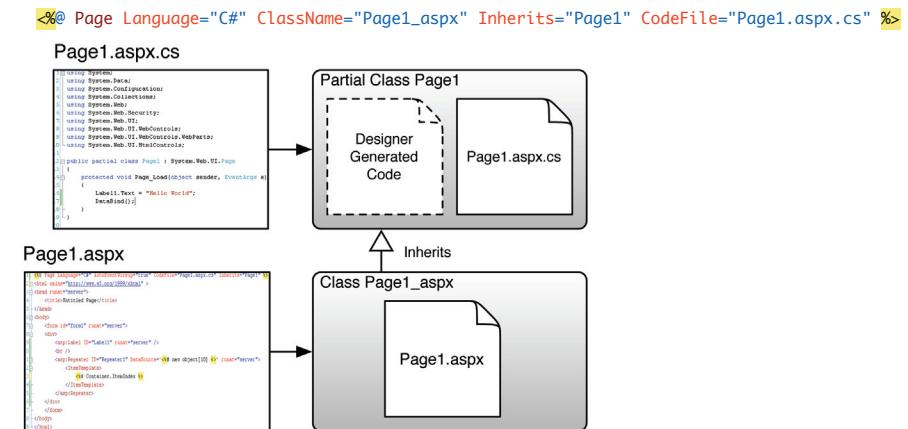
Code Blocks

Inline code block	<code><% Response.Write("Hello World"); %></code>
Inline render block	<code><%= string.Format("2+2={0}", 2+2); %></code>
Data binding expression block	<code><%# Container.ItemIndex %></code>
Expression block	<code><%\$ Resources:String, Hello %></code>
Page level code. Methods, properties, variable and event handlers.	<code><script runat="server"></script></code>

Markup and Code in a Single File



Markup and Code in Separate Files. "code behind model"



Resources

Strings.resx		Strings.es-MX.resx	
	App_GlobalResources		App_GlobalResources
<code>Strings.es-MX.resx</code>		<code>Strings.es-MX.resx</code>	
	Strings.resx		Strings.resx
<code>Strings.resx</code>		<code>Strings.es-MX.resx</code>	
<code>protected void Page_Load(object sender, EventArgs e)</code>		<code>protected void Page_Load(object sender, EventArgs e)</code>	
<code>{</code>		<code>{</code>	
<code> Label1.Text=Resources.Strings.Hello;</code>		<code> Label1.Text=Resources.Strings.Hello;</code>	
<code>}</code>		<code>}</code>	
<code><asp:Label ID="Label1" Text="<%\$ Resources:Strings, Hello %>" runat="server" /></code>		<code><asp:Label ID="Label1" Text="<%\$ Resources:Strings, Hello %>" runat="server" /></code>	
Default.aspx.resx		Default.aspx.es-MX.resx	
	App_LocalResources		App_LocalResources
<code>Default.aspx.es-MX.resx</code>		<code>Default.aspx.es-MX.resx</code>	
	Default.aspx.resx		Default.aspx.resx
<code>Default.aspx.resx</code>		<code>Default.aspx.es-MX.resx</code>	
<code><asp:Label ID="Label2" meta:resourceskey="HelloLabel" runat="server" /></code>		<code><asp:Label ID="Label2" meta:resourceskey="HelloLabel" runat="server" /></code>	
<code> HelloLabel.Text</code>		<code> HelloLabel.Text</code>	

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Cheat Sheet : Common Web.config Settings

App Settings

```
<appSettings>
  <add key="MyKey" value="MyValue" />
</appSettings>
```

Connection Strings

```
<connectionStrings>
  <add
    name="LocalSqlServer"
    connectionString=""
    data source=.\SQLEXPRESS;
    Integrated Security=SSPI;
    AttachDBFilename=|DataDirectory|aspnetdb.mdf;
    User Instance=true"
    providerName="System.Data.SqlClient"
  />
</connectionStrings>
```

Authentication

```
<authentication mode="Windows" />

<authentication mode="Forms">
  <forms
    loginUrl="Login.aspx"
    defaultUrl="Page1.aspx"
    cookieless="AutoDetect"
    domain="mydomain.com"
    requireSSL="true"
  />
</authentication>
```

Authorization

```
<authorization>
  <!-- Deny anonymous users -->
  <deny users="?" />
  <!-- Allow all authed users -->
  <allow users="*" />
  <!-- Allow admin role -->
  <allow roles="Admin" />
</authorization>
```

Custom Error Pages

```
<customErrors mode="RemoteOnly"
  defaultRedirect="MyErrorPage.htm">
  <error statusCode="403" redirect="NoAccess.htm" />
  <error statusCode="404" redirect="FileNotFoundException.htm" />
</customErrors>
```

Default Settings for Pages

```
<pages
  theme="MyTheme"
  styleSheetTheme="MyTheme"
  autoEventWireup="true"
  masterPageFile="MyMaster"
  pageBaseType="MyBasePage"
  userControlBaseType="MyBaseControl"
>
  <controls>
    <add tagPrefix="uc"
      tagName="MyControl"
      src="~/Controls/MyControl1.ascx" />
    <add tagPrefix="pfx"
      tagName="MyAssembly"
      src="My.Namespace" />
  </controls>
  <namespaces>
    <add namespace="System.Text" />
  </namespaces>
</pages>
```

Providers

```
<membership>
  <providers>
    <clear />
    <add
      name="AspNetSqlMembershipProvider"
      type="System.Web.Security.SqlMembershipProvider",
      System.Web,
      Version=2.0.0.0,
      Culture-neutral,
      PublicKeyToken=b03f5f7f11d50a3a"
      connectionStringName="LocalSqlServer"
      enablePasswordRetrieval="false"
      enablePasswordReset="true"
      requiresQuestionAndAnswer="true"
      applicationName="/"
      requiresUniqueEmail="false"
      passwordFormat="Hashed"
      maxInvalidPasswordAttempt="5"
      minRequiredPasswordLength="7"
      minRequiredNonalphanumericCharacters="1"
      passwordAttemptWindow="10"
      passwordStrengthRegularExpression=""/>
  </providers>
</membership>

<profile>
  <providers>
    <clear />
    <add
      name="AspNetSqlProfileProvider"
      connectionStringName="LocalSqlServer"
      applicationName="/"
      type="System.Web.Profile.SqlProfileProvider",
      System.Web,
      Version=2.0.0.0,
      Culture-neutral,
      PublicKeyToken=b03f5f7f11d50a3a"
    </providers>
</profile>

<roleManager>
  <providers>
    <clear />
    <add
      name="AspNetSqlRoleProvider"
      connectionStringName="LocalSqlServer"
      applicationName="/"
      type="System.Web.Profile.SqlRoleProvider",
      System.Web,
      Version=2.0.0.0,
      Culture-neutral,
      PublicKeyToken=b03f5f7f11d50a3a"
    </providers>
</roleManager>
```