ASP.Net Cheatsheet

Bits and Bobs
-Format something as money -> Eval("price","{0:c}");
-Get current date -> <%=DateTime.Now %>
-If it isn't working -> AutoPostBack = "True"

Things to Put In the web.config file:

```
<!--Prevents validators from breaking the webpage-->
  <appSettings>
    <add key ="ValidationSettings:UnobtrusiveValidationMode" value ="none"/>
  </appSettings>

 <!--Provides the means to access a database-->
  <connectionStrings>
    <add name="cnn" connectionString="Data Source=localhost;Initial
Catalog=artgallery;Integrated Security=SSPI;"
      providerName="System.Data.SqlClient" />
  </connectionStrings>

<!--Mailing seemed to work fine in a porject omitting this, but it should probably be
included anyway-->
  <system.net>
    <mailSettings>
      <smtp from ="admin@artGallery.com" deliveryMethod ="Network">
        <network host ="localhost" port ="25" defaultCredentials="true"/>
      </smtp>
    </mailSettings>
  </system.net>
```

Skins/Themes

Create a Theme
1. Add a folder to your project called app_themes. It should get a different icon
2. Create a subfolder named whatever you want (we'll call it TurdFerguson)
3. In this subfolder add your .css and .skin files. .skin files contain pre-sets for asp.net elements.

Apply a Theme
to the whole site – add this to the web.config file:
<system.web>
<pages theme = "TurdFerguson">
</system.web>

To one particular page – add this attribute to the <% %> at the very top:
Theme = "TurdFerguson'

To the page in code:
Page.Theme = "TurdFerguson";

Target a specific element with an id from a skin file:
In the skin file:
<asp:Label runat ='server' ForeColor = "red" SkinID = "justRed"/>

In the element you want to target:
<asp:Label runat ='server' SkinID = "justRed"/>

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!You can grant a control immunity from a theme with EnableTheming="False".

Bind a Dropdown List (With a DataTable)

```
ddlBindMe.DataSource = datatable;
ddlBindMe.DataTextField = "thething";
ddlBindMe.DataValueField = "id";
ddlBindMe.DataBind();
```

Add Derived Column to a Dropdown List
```
datatable.Columns.Add("fullname",typeof(string),"LASTNAME + ' ' + FIRSTNAME");
```

Add an Instruction list Item to a Dropdown List
```
ddlBindme.Items.Insert(0,new ListItem("—Choose something!--",null));
```

Snippits

.skin Sample

```
<asp:TextBox runat="server"            BackColor="#FFFFFF"
             BorderStyle="Solid"       Font-Names="Verdana"
             ForeColor="#585880"       BorderColor="#585880"
             BorderWidth="1pt" />
```

Simple Repeater Example:
Default.aspx

```
<ul>
    <asp:Repeater ID="rptArtists" runat="server">
      <HeaderTemplate><h2>Artist List</h2></HeaderTemplate>
       <ItemTemplate>
           <li>
               <a href ='ArtByArtist.aspx?artistID=<%# Eval("artistId")%>'>
                   <%# Eval("fullName") %>
               </a>
           </li>
        </ItemTemplate>
      </asp:Repeater>
</ul>
```

Default.aspx.cs

```
rptArtists.DataSource = dr;
rptArtists.DataBind();
```

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User Controls Example:

```
<form id="form1" runat="server">
    <asp:Label ID="lblMessage" runat="server" Text=""></asp:Label>
    <ul>
        <li>
            <a href="~/UserControlsDemo.aspx?colorID=Blue"
                runat="server">Blue</a>
        </li>
        <li>
            <a href="~/UserControlsDemo.aspx?colorID=Red"
                runat="server">Red</a>
        </li>
    </ul>
```

UserControlsDemo.aspx

```
<%@ Control Language="C#" AutoEventWireup="true" CodeBehind="ucBlue.ascx.cs" Inherits="SimpleDemos.ucBlue" %>
<asp:Label ID="lblBlue" runat="server" Font-Bold="True"
    Height="100px" Width="300px" BackColor="Blue" Forecolor="White" Font-Size="40" Text="BLUE"></asp:Label>
```

ucBlue.ascx

User Controls Example:

```
string strAnimal = Server.UrlDecode(Request.QueryString["animal"]);

if (string.IsNullOrEmpty(strAnimal))
{
    imgAnimal.Visible = false;
    lblInfo.Visible = true;
    this.Title = "Select a Pet";
    lblInfo.Text = "<h3>Select a Pet</h3>";
}
else if (strAnimal == "cat")
{
    imgAnimal.Visible = true;
    lblInfo.Visible = true;
    lblAnimal.Text = "Cat";
}
```

Default.aspx.cs (PetQSDemo)

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Validation Controls Example:

```
<asp:Label ID="lblPostalCode" runat="server" Text="Postal/Zip Code: "></asp:Label>
<asp:TextBox ID="txtPostalCode" runat="server"></asp:TextBox>
<asp:RequiredFieldValidator ID="rfvPostalCode" runat="server"
    ErrorMessage="RequiredFieldValidator" ControlToValidate="txtPostalCode">
    *</asp:RequiredFieldValidator>
<asp:RegularExpressionValidator ID="revPostalCode" runat="server"
    ErrorMessage="Please enter a valid Postal/Zip code" ControlToValidate="txtPostalCode"
    ValidationExpression="^[0-9]{5}([- /]?[0-9]{4})?$|^[a-zA-Z]{1}[0-9]{1}[a-zA-Z]{1}(\-| |){1}[0-9
    *</asp:RegularExpressionValidator>
```

Cookies Example:

```
protected void btnSaveCookie_Click(object sender, EventArgs e)
{
    Response.Cookies["FavColor"].Value = txtFavColor.Text;
    Response.Cookies["FavColor"].Expires = DateTime.Now.AddDays(365);
}

protected void btnReadCookie_Click(object sender, EventArgs e)
{
    if (Request.Cookies["FavColor"] != null)
    {
        lblMsg.Text = Request.Cookies["FavColor"].Value;
    }
    else
    {
        lblMsg.Text = "<h2>No cookie to read</h2>";
    }
}

protected void btnClearCookie_Click(object sender, EventArgs e)
{
    Response.Cookies["FavColor"].Value = string.Empty;
    Response.Cookies["FavColor"].Expires = DateTime.Now.AddDays(-1);

}
```

How to fill a repeater:

```
SqlDataReader dr = default(SqlDataReader);
        SqlCommand cmd = default(SqlCommand);
        try
        {
            using (connection)
            {
                cmd = new SqlCommand("getArtists", connection);
                connection.Open();

                dr = cmd.ExecuteReader(System.Data.CommandBehavior.CloseConnection);

                if (dr.HasRows)
                {
                    rptArtists.DataSource = dr;
                    rptArtists.DataBind();
```

```
                }
                else
                {
                    lblMessage.Text = "No Rows Found";
                }
            }
        }
        catch (Exception ex)
        {
            lblMessage.Text = ex.Message;

        }
        finally
        {
            dr.Close();

        }
```

Access master page controls from child page

```
MyMasterPage myMasterPage = (MyMasterPage)Page.Master;
```

MVC

Linking Example

```
<h3><a href=@Url.Action("Index","Temp")>Temperature Converter</a></h3>
```

Nuget Commands to set up DB Use:

enable-migrations

add-migration initial

update-database

Make updates:

add-migration horsefungus

update-database