**C# CHEAT SHEET**

**PARSE to int**

int num = **int.Parse**(text);

**PARSE to Money**

decimal amt = decimal.Parse(variable.ToString());//to format to money

ReportAmount\_lbl.Text = amt.ToString("C"); //captital C is what formats like money

**Char to String**

strRecordType = new string(chrType);

**Date**

Datetime dt = DateTime.Now;

dt.ToString(“d”);

Displays "Sunday, March 9, 2008"

// create date time 2008-03-09 16:05:07.123

DateTime dt = new DateTime(2008, 3, 9, 16, 5, 7, 123);

String.Format("{0:y yy yyy yyyy}", dt); // "8 08 008 2008" year

String.Format("{0:M MM MMM MMMM}", dt); // "3 03 Mar March" month

String.Format("{0:d dd ddd dddd}", dt); // "9 09 Sun Sunday" day

String.Format("{0:h hh H HH}", dt); // "4 04 16 16" hour 12/24

String.Format("{0:m mm}", dt); // "5 05" minute

String.Format("{0:s ss}", dt); // "7 07" second

String.Format("{0:f ff fff ffff}", dt); // "1 12 123 1230" sec.fraction

String.Format("{0:F FF FFF FFFF}", dt); // "1 12 123 123" without zeroes

String.Format("{0:t tt}", dt); // "P PM" A.M. or P.M.

String.Format("{0:z zz zzz}", dt); // "-6 -06 -06:00" time zone

<http://www.csharp-examples.net/string-format-datetime/>

**Formatting bound values**

**<asp:TextBox ID="AmountTextBox" runat="server" Text='<%# Bind("Amount", "{0:C}") %>'**

**Append Text To a File**

/\*

\* Required references

\*/

using System.IO;

/\*

\* Usage

\*/

StreamWriter sw = File.AppendText(somepath);

sw.WriteLine("this is appended");

sw.Close();

**Run shell commands**

string strCmdText;

strCmdText= "/C copy /b Image1.jpg + Archive.rar Image2.jpg";

System.Diagnostics.Process.Start("CMD.exe",strCmdText);

**To hide Command Window**

System.Diagnostics.Process process = new System.Diagnostics.Process();

System.Diagnostics.ProcessStartInfo stratInfo = new System.Diagnostics.ProcessStartInfo();

stratInfo.WindowStyle = System.Diagnostics.ProcessWindowStyle.Hidden;

stratInfo.FileName = "cmd.exe";

stratInfo.Arguments = "/C copy /b Image1.jpg + Archive.rar Image2.jpg";

process.StartInfo = stratInfo;

process.Start();

**Escape Characters**

' for a single quote  
\" for a double quote  
\\ for a backslash  
\0 for a null character  
\a for an alert character  
\b for a backspace  
\f for a form feed  
\n for a new line  
\r for a carriage return  
\t for a horizontal tab  
\v for a vertical tab  
\uxxxx for a unicode character hex value (e.g. \u0020)  
\x is the same as \u, but you don't need leading zeroes (.g. \x20)  
\Uxxxxxxxx for a unicode character hex value (longer form needed for generating surrogates)

**How to: Strip Invalid Characters from a String**

using System;

using System.Text.RegularExpressions;

public class Example

{

static string CleanInput(string strIn)

{

// Replace invalid characters with empty strings.

return Regex.Replace(strIn, @"[^\w\.@-]", ""); //for spaces in between words add \040

}

}

Database Connections

**CALLING STORED PROCEDURE AND RETRIEVING VALUE FIELDS FROM A TABLE.**

using (SqlConnection conn = new SqlConnection(ConfigurationManager.ConnectionStrings["WagersConnectionString"].ToString()))

{

SqlDataReader rdr = null;

conn.Open();

try{

SqlCommand cmd = new SqlCommand("sp\_fileupload\_count", conn);

cmd.CommandType = CommandType.StoredProcedure;

cmd.Parameters.Add(new SqlParameter("@ipAddress", ipAddress));

rdr = cmd.ExecuteReader();

while (rdr.Read())

{

Response.Write("unprocessed files for this IPaddress: " + rdr["IPaddressCount"]);

}

}

finally

{

if (conn != null)

{

conn.Close();

}

if (rdr != null)

{

rdr.Close();

}

}

}

**CALLING A STORED PROCEDURE THAT DOESN’T RETURN VALUES**

using (SqlConnection conn = new SqlConnection(ConfigurationManager.ConnectionStrings["WagersConnectionString"].ToString()))

{

Int32 rowsAffected;

try

{

// open a connection object

conn.Open();

SqlCommand cmd = new SqlCommand("sp\_insert\_holder", conn);

// 2. set the command object so it knows

// to execute a stored procedure

cmd.CommandType = CommandType.StoredProcedure;

// 3. add parameter to command, which

// will be passed to the stored procedure

cmd.Parameters.Add(new SqlParameter("@CurYear", curYear));

cmd.Parameters.Add(new SqlParameter("@CompanyName", companyName));

cmd.Parameters.Add(new SqlParameter("@FEIN", fein));

// execute the command

rowsAffected = cmd.ExecuteNonQuery();

//Response.Redirect("uploadFile.aspx");

}

finally

{

if (conn != null)

{

conn.Close();

}

}

}

<http://www.codersource.net/csharp_sending_emails.aspx>

**USING SQL ADAPTER**

private static DataSet SelectRows(DataSet dataset,

string connectionString,string queryString)

{

using (SqlConnection connection =

new SqlConnection(connectionString))

{

SqlDataAdapter adapter = new SqlDataAdapter();

adapter.SelectCommand = new SqlCommand(queryString, connection);

adapter.Fill(dataset);

return dataset;

}

}

**OLEDB CONNECTION RETURNS VALUE FIELDS**

using (OleDbConnection conn = new OleDbConnection(ConfigurationManager.ConnectionStrings["StopFileReportConnectionString"].ToString()))

{

string queryString = "SELECT \* FROM table”;

conn.Open();

OleDbCommand cmd = new OleDbCommand(queryString);

cmd.Connection = conn;

OleDbDataReader reader = cmd.ExecuteReader();

DataTable dataTable = new DataTable();

dataTable.Load(reader);

return dataTable;

}

**REGULAR EXPRESSION**

protected bool ValidArp(string \_strArp)

{

string strArp = \_strArp;

Regex regEx = new Regex("^(ar|AR)[a-zA-Z0-9]{11}$");

Match match = regEx.Match(strArp);

return match.Success ? true : false;

}

**FINDCONTROL()**

So long as the controls in the FormView are named uniquely within the   
formview, not just within the Template then it should be no problem, so just   
have to call two sets of FindControl  
  
e.g. to access a textbox that is within the formview:  
  
FormView MyFormView = (FormView)LoginView1.FindControl("FormViewID~");  
  
TextBox MyTextBox = (TextBox)MyFormView.FindControl("TextBoxID");  
  
MyTextBox.Text = "Some Words";  
  
However if you have a text box in the insert item template and the edit item   
template with the same ID then it will generate an error.  Also if you try to   
retreive a control from the edit item template and the FormView is not in   
edit mode then you will probably get the object reference not set to instance   
of an object error.