

Sql tools



```
using System;
using System.Drawing;
using System.Collections;
using System.ComponentModel;
using System.Windows.Forms;
using System.Data;
using System.Data.SqlClient;

public class Form1 : System.Windows.Forms.Form
{
    private System.Windows.Forms.RichTextBox rtfSql;
    private System.Windows.Forms.Splitter splitter1;
    private System.Windows.Forms.ListView listViewResult;
    private System.Windows.Forms.MainMenu mainMenu1;
    private System.Windows.Forms.MenuItem menuItem1;
    private System.Windows.Forms.MenuItem menuItemExecute;
    private System.Windows.Forms.MenuItem menuItem4;
    private System.Windows.Forms.MenuItem menuItemExit;

    private SqlCommand mCommand;
    private string[] mSqlKeyWords = new string[]
    {"select","from","where","in","between",
    "is","null","not","order
    by","asc","desc","insert","into","values","update",
    "set","delete","truncate","table","join","on","create","drop"}
    ;
    private System.ComponentModel.Container components = null;

    public Form1() {
        InitializeComponent();
    }

    private void InitializeComponent() {
        this.rtfSql = new System.Windows.Forms.RichTextBox();
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this.splitter1 = new System.Windows.Forms.Splitter();
this.listViewResult = new System.Windows.Forms.ListView();
this.mainMenu1 = new System.Windows.Forms.MainMenu();
this.menuItem1 = new System.Windows.Forms.MenuItem();
this.menuItemExecute = new System.Windows.Forms.MenuItem();
this.menuItem4 = new System.Windows.Forms.MenuItem();
this.menuItemExit = new System.Windows.Forms.MenuItem();
this.SuspendLayout();
//
// rtfSql
//
this.rtfSql.Dock = System.Windows.Forms.DockStyle.Top;
this.rtfSql.Font = new System.Drawing.Font("Courier New",
9.75F,
System.Drawing.FontStyle.Regular,
System.Drawing.GraphicsUnit.Point, ((System.Byte)(0)));
this.rtfSql.Location = new System.Drawing.Point(0, 0);
this.rtfSql.Name = "rtfSql";
this.rtfSql.Size = new System.Drawing.Size(292, 96);
this.rtfSql.TabIndex = 0;
this.rtfSql.Text = "";
//
// splitter1
//
this.splitter1.Dock = System.Windows.Forms.DockStyle.Top;
this.splitter1.Location = new System.Drawing.Point(0, 96);
this.splitter1.Name = "splitter1";
this.splitter1.Size = new System.Drawing.Size(292, 3);
this.splitter1.TabIndex = 1;
this.splitter1.TabStop = false;
//
// listViewResult
//
this.listViewResult.Dock =
System.Windows.Forms.DockStyle.Fill;
this.listViewResult.GridLines = true;
this.listViewResult.Location = new System.Drawing.Point(0,
99);

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this.listViewResult.Name = "listViewResult";
this.listViewResult.Size = new System.Drawing.Size(292, 173);
this.listViewResult.TabIndex = 2;
this.listViewResult.View = System.Windows.Forms.View.Details;
//
// mainMenu1
//
this.mainMenu1.MenuItems.AddRange(new
System.Windows.Forms.MenuItem[] {
this.menuItem1});
//
// menuItem1
//
this.menuItem1.Index = 0;
this.menuItem1.MenuItems.AddRange(new
System.Windows.Forms.MenuItem[] {
this.menuItemExecute,
this.menuItem4,
this.menuItemExit});
this.menuItem1.Text = "&Actions";
//
// menuItemExecute
//
this.menuItemExecute.Index = 0;
this.menuItemExecute.Shortcut =
System.Windows.Forms.Shortcut.F5;
this.menuItemExecute.Text = "&Execute";
this.menuItemExecute.Click += new
System.EventHandler(this.menuItemExecute_Click);
//
// menuItem4
//
this.menuItem4.Index = 1;
this.menuItem4.Text = "-";
//
// menuItemExit
//

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this.menuItemExit.Index = 2;
this.menuItemExit.Text = "E&xit";
this.menuItemExit.Click += new
System.EventHandler(this.menuItemExit_Click);
//
// frmSql
//
this.AutoScaleBaseSize = new System.Drawing.Size(8, 15);
this.ClientSize = new System.Drawing.Size(292, 272);
this.Controls.Add(this.listViewResult);
this.Controls.Add(this.splitter1);
this.Controls.Add(this.rtfSql);
this.Font = new System.Drawing.Font("Courier New", 9.75F,
System.Drawing.FontStyle.Regular,
System.Drawing.GraphicsUnit.Point, ((System.Byte)(0)));
this.Menu = this.mainMenu1;
this.Name = "frmSql";
this.Text = "SQL Tool";
this.WindowState =
System.Windows.Forms.FormWindowState.Maximized;
this.ResumeLayout(false);

}
static void Main() {
Application.Run(new Form1());
}

private void menuItemExecute_Click(object sender,
System.EventArgs e)
{
listViewResult.Columns.Clear();
listViewResult.Items.Clear();

string selectedText = rtfSql.SelectedText;

if (selectedText.Length == 0)
selectedText = rtfSql.Text;

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if (selectedText.ToLower().IndexOf("select", 0) >= 0)
ExecuteSelect(selectedText);
else
ExecuteNonQuery(selectedText);

}
private void ExecuteSelect(string pText)
{
SqlConnection mConnection = new
SqlConnection("server=(local)SQLEXPRESS;database=MyDatabase;In
tegrated Security=SSPI");

try
{
bool first = true;
ListViewItem lvi = null;

mCommand = new SqlCommand(pText, mConnection);

mConnection.Open();

SqlDataReader dr = mCommand.ExecuteReader();

if (dr == null)
return;

while (dr.Read())
{
if (first)
{
for (int i = 0; i < dr.FieldCount; i++)
listViewResult.Columns.Add( dr.GetName(i).ToString(), 50,
HorizontalAlignment.Left ); first = false; } for (int i = 0; i
< dr.FieldCount; i++) { if (i == 0) lvi =
listViewResult.Items.Add(dr.GetValue(i).ToString()); else
lvi.SubItems.Add(dr.GetValue(i).ToString()); } } catch
(System.Exception err) { Console.WriteLine(err.Message); }
finally { mConnection.Close(); } } private void
ExecuteNonQuery(string pText) { SqlConnection mConnection =

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new
SqlConnection("server=(local)SQLEXPRESS;database=MyDatabase;In
tegrated Security=SSPI"); try { int rowsAffected = 0; mCommand
= new SqlCommand(pText, mConnection); mConnection.Open();
rowsAffected      =      mCommand.ExecuteNonQuery();
Console.WriteLine(rowsAffected + " row(s) affected"); } catch
(System.Exception err) { Console.WriteLine(err.Message); }
finally { mConnection.Close(); } } private void
menuItemExit_Click(object sender, System.EventArgs e) {
Application.Exit(); } } [/csharp]
```