**Conexión 3 capas c# - sql server**



CAPA CONEXION

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

//adde

using System.Data.OleDb;

using System.Data;

namespace CapaConexion

{

 public class Conexion

 {

 public OleDbConnection conectar()

 {

 //string cc = "Provider=SQLOLEDB.1;Data Source=192.168.100.80;Initial Catalog=Iglesia1;User ID=CONEIGLE; Password=123456;Persist Security Info=False";

 // string cc = "Provider=SQLOLEDB.1;Data Source=.;Initial Catalog=Iglesia2;Integrated Security=SSPI";

 string cc = "Provider=SQLOLEDB.1;Data Source=192.168.0.4;Initial Catalog=Iglesia2;Persist Security Info=True;User ID=pruebaiglesia;Password=123";

 OleDbConnection conex = new OleDbConnection(cc);

 conex.Open();

 return conex;

 }

 protected OleDbTransaction iniciarTransaccion()

 {

 OleDbConnection conex = conectar();

 return conex.BeginTransaction();

 }

 protected DataTable consultar(string s)

 {

 OleDbTransaction tr = iniciarTransaccion();

 return consultar(s, tr);

 tr.Commit();

 }

 protected DataTable consultar(string s, object tr)

 {

 OleDbDataAdapter ada = new OleDbDataAdapter(s, ((OleDbTransaction)(tr)).Connection);

 ada.SelectCommand.Transaction = (OleDbTransaction)(tr);

 DataTable dt = new DataTable();

 ada.Fill(dt);

 return dt;

 }

 protected int ejecutar(string s)

 {

 OleDbTransaction tr = iniciarTransaccion();

 int i = ejecutar(s, tr);

 tr.Commit();

 return i;

 }

 protected int ejecutar(string s, object tr)

 {

 try

 {

 OleDbCommand comando = new OleDbCommand(s, ((OleDbTransaction)(tr)).Connection);

 comando.Transaction = (OleDbTransaction)(tr);

 return comando.ExecuteNonQuery();

 }

 catch (Exception ex)

 {

 return 0;

 }

 }

 //consulta dataset

 public DataSet consultarDataset(string sql)

 {

 OleDbDataAdapter adaptador = new OleDbDataAdapter(sql, conectar());

 DataSet dt = new DataSet();

 adaptador.Fill(dt);

 return dt;

 }

 }

}

CAPA NEGOCIOS

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Data;

using CapaConexion;

namespace CapaNegocios

{

 public class ClaseSala : CapaConexion.Conexion

 {

 public string codigo = "";

 public string Nombre = "";

 public string EdadInicial = "";

 public string EdadFinal = "";

 public string ColorSala = "";

 public int insertarSala()

 {

 string sql = "insert into sala values(" + "'" + codigo + "','" + Nombre + "','" + EdadInicial + "','" + EdadFinal + "','" + ColorSala + "')";

 return (ejecutar(sql));

 }

 public int ModificarSala(string cod)

 {

 string sql = "update sala set Nombsala ='" + Nombre + "',edadInicial ='" + EdadInicial + "',edadFinal='" + EdadInicial + "',colorSala='" + ColorSala + " ' where codsala = '" + cod + "'";

 return (ejecutar(sql));

 }

 public DataSet eliminarSala()

 {

 string sql = " delete from sala where codsala= " + codigo;

 return (consultarDataset(sql));

 }

 public DataTable MostrarTodo()

 {

 string sql = "select codsala as Codigo, Nombsala AS 'Nombre Sala' , edadInicial as 'Edad Inicial',edadFinal as 'Edad Final',colorSala as 'Color Sala' from sala order by codsala desc";

 return (consultar(sql));

 }

 public DataTable MostrarTodo1()

 {

 string sql = "select codsala, (nombsala +' '+Str(edadinicial)+str(edadfinal)+' Años') as nombresala from sala";

 return (consultar(sql));

 }

 public DataTable BusquedaPorNombre(string nomb)

 {

 string sql = "select top 3 codsala as Codigo, Nombsala AS 'Nombre Sala' , edades as Edades from sala where Nombsala like '%" + nomb + "%' order by codsala desc";

 return (consultar(sql));

 }

 public DataTable MostrarUltimoDato(string cod)

 {

 string sql = "select codsala as Codigo,Nombsala as 'Sala' from sala s where s.codsala='" + cod + "'";

 return (consultar(sql));

 }

 public DataSet traerUltimoRegistro() //codSala

 {

 string sql = "select sala.codsala from sala where codsala =(select max (codsala) from sala)";

 return consultarDataset(sql);

 }

 }

}

CAPA PRESENTACION



using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

using CapaNegocios;

namespace ProyectoIglesia

{

 public partial class FrmSala :DevComponents.DotNetBar.Metro.MetroForm

 {

 ClaseSala ObjetoSala = new ClaseSala();

 public FrmSala()

 {

 InitializeComponent();

 mostrarDatos();

 cargarCombocolores();

 }

 void cargarCombocolores()

 {

 cbColor.Items.Clear();

 string[] colores = Enum.GetNames(typeof(System.Drawing.KnownColor));

 cbColor.Items.AddRange(colores);

 }

 void mostrarDatos()

 {

 DataTable dt = ObjetoSala.MostrarTodo();

 DgSala.DataSource = dt;

 }

 private void DgSala\_CellContentClick(object sender, DataGridViewCellEventArgs e)

 {

 try

 {

 DataGridViewRow a = DgSala.Rows[e.RowIndex];

 txtCodigo.Text = a.Cells[1].Value.ToString();

 txtNombre.Text = a.Cells[2].Value.ToString();

 txtEdadInicial.Text = a.Cells[3].Value.ToString();

 txtFinal.Text = a.Cells[4].Value.ToString();

 cbColor.Text = a.Cells[5].Value.ToString();

 txtCodigo.Enabled = false;

 }

 catch (Exception s)

 {

 MessageBox.Show("error");

 }

 }

 void cargarSala()

 {

 ObjetoSala.codigo = txtCodigo.Text;

 ObjetoSala.Nombre = txtNombre.Text;

 ObjetoSala.EdadInicial = txtEdadInicial.Text;

 ObjetoSala.EdadFinal = txtFinal.Text;

 ObjetoSala.ColorSala = cbColor.SelectedItem.ToString();

 }

 private void btn\_Reg\_Click(object sender, EventArgs e)

 {

 try

 {

 if (txtNombre.Text.Trim() != "" && txtEdadInicial.Text.Trim() != "" && txtFinal.Text.Trim()!="")

 {

 cargarSala();

 ObjetoSala.insertarSala();

 lb\_mostrar.Text = "Registro existosamente a la Sala: " + txtNombre.Text;

 //traerUltimoDato(txtci.Text);

 mostrarDatos();

 limpiar();

 }

 else

 {

 MessageBox.Show("completar los campos!!", "error!!", MessageBoxButtons.OK, MessageBoxIcon.Information);

 }

 }

 catch (Exception se)

 {

 MessageBox.Show("error!!");

 lb\_mostrar.Text = "";

 limpiar();

 }

 }

 void limpiar()

 {

 txtCodigo.Clear();

 txtNombre.Clear();

 txtEdadInicial.Clear();

 txtFinal.Clear();

 txtCodigo.Enabled = false;

 txtNombre.Focus();

 }

 private void btnModificar\_Click(object sender, EventArgs e)

 {

 try

 {

 if (txtCodigo.Text.Trim() != "" && txtNombre.Text.Trim() != "" && txtEdadInicial.Text.Trim() != "")

 {

 cargarSala();

 ObjetoSala.ModificarSala(txtCodigo.Text);

 lb\_mostrar.Text = "Modifico existosamente a la Sala: " + txtNombre.Text;

 //MostrarUltimoDato(txtCodigo.Text);

 mostrarDatos();

 limpiar();

 }

 else

 {

 MessageBox.Show("completar los campos!!", "error!!", MessageBoxButtons.OK, MessageBoxIcon.Information);

 }

 }

 catch (Exception se)

 {

 MessageBox.Show("error!!");

 lb\_mostrar.Text = "";

 limpiar();

 }

 }

 private void btnEliminar\_Click(object sender, EventArgs e)

 {

 try

 {

 cargarSala();

 ObjetoSala.eliminarSala();

 lb\_mostrar.Text = "Se Elimino existosamente a la Sala: " + txtNombre.Text;

 mostrarDatos();

 limpiar();

 }

 catch (Exception se) {

 MessageBox.Show("No se puedo eliminar se ocupa en otros resgitros");

 }

 }

 private void btnNuevo\_Click(object sender, EventArgs e)

 {

 mostrarDatos();

 limpiar();

 //traer ultimo registro

 DataSet cod = ObjetoSala.traerUltimoRegistro();

 int valor = int.Parse(cod.Tables[0].Rows[0][0].ToString()) + 1;

 txtCodigo.Text = Convert.ToString(valor);

 }

 private void cbColor\_SelectedIndexChanged(object sender, EventArgs e)

 {

 }

 private void cbColor\_DrawItem(object sender, DrawItemEventArgs e)

 {

 try

 {

 e.DrawBackground();

 string texto = cbColor.Items[e.Index].ToString();

 Brush borde = new SolidBrush(e.ForeColor);

 Color color = Color.FromName(texto);

 Brush pincel =new SolidBrush(color);

 Pen boli = new Pen(e.ForeColor);

 e.Graphics.DrawRectangle(boli, new Rectangle(e.Bounds.Left + 2, e.Bounds.Top + 2, 50, e.Bounds.Height - 4)); ;

 e.Graphics.FillRectangle(pincel,new Rectangle(e.Bounds.Left + 3,e.Bounds.Top + 3,48,e.Bounds.Height-6));

 e.Graphics.DrawString(texto,e.Font,borde,e.Bounds.Left +65,e.Bounds.Top +2);

 e.DrawFocusRectangle();

 }

 catch (Exception se)

 {

 MessageBox.Show(se.Message);

 }

 }

 private void FrmSala\_Load(object sender, EventArgs e)

 {

 }

 }

}