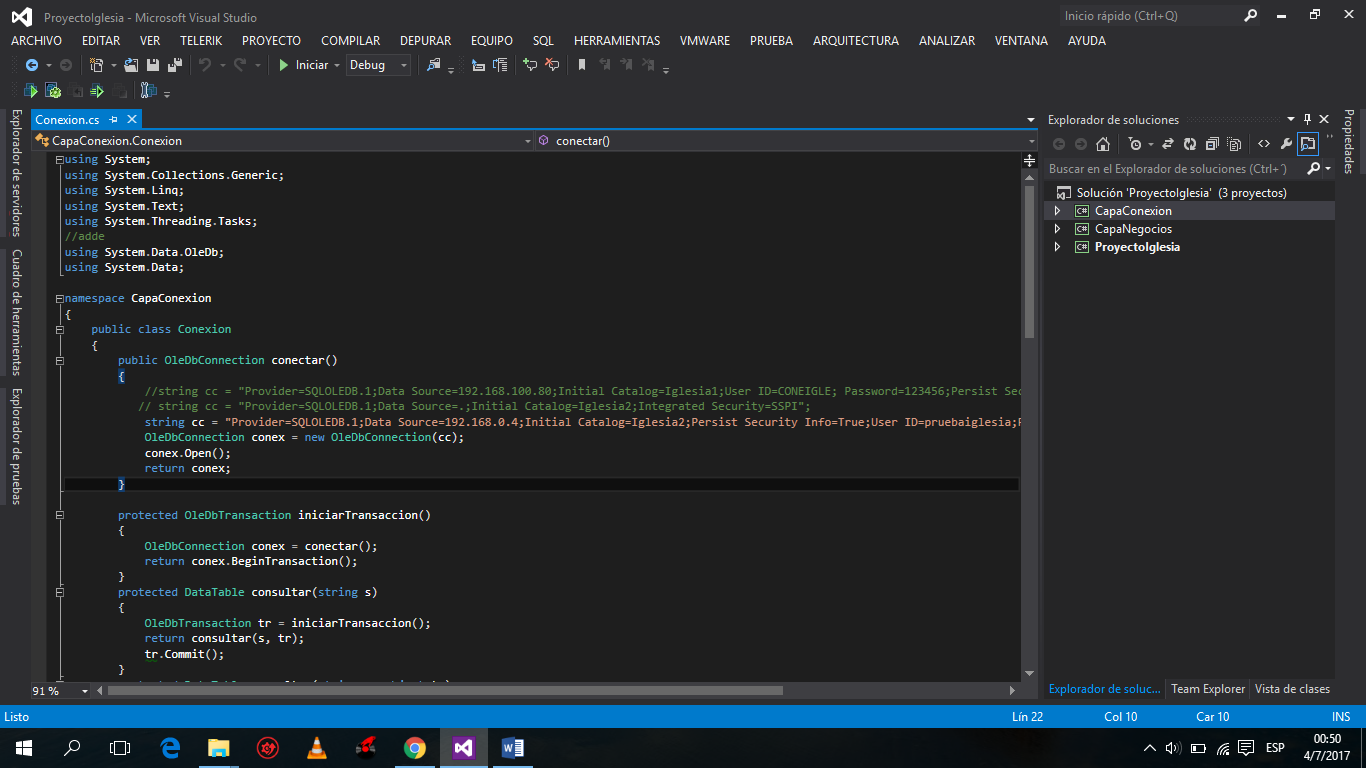
**Conexión 3 capas c# - sql server**



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)";

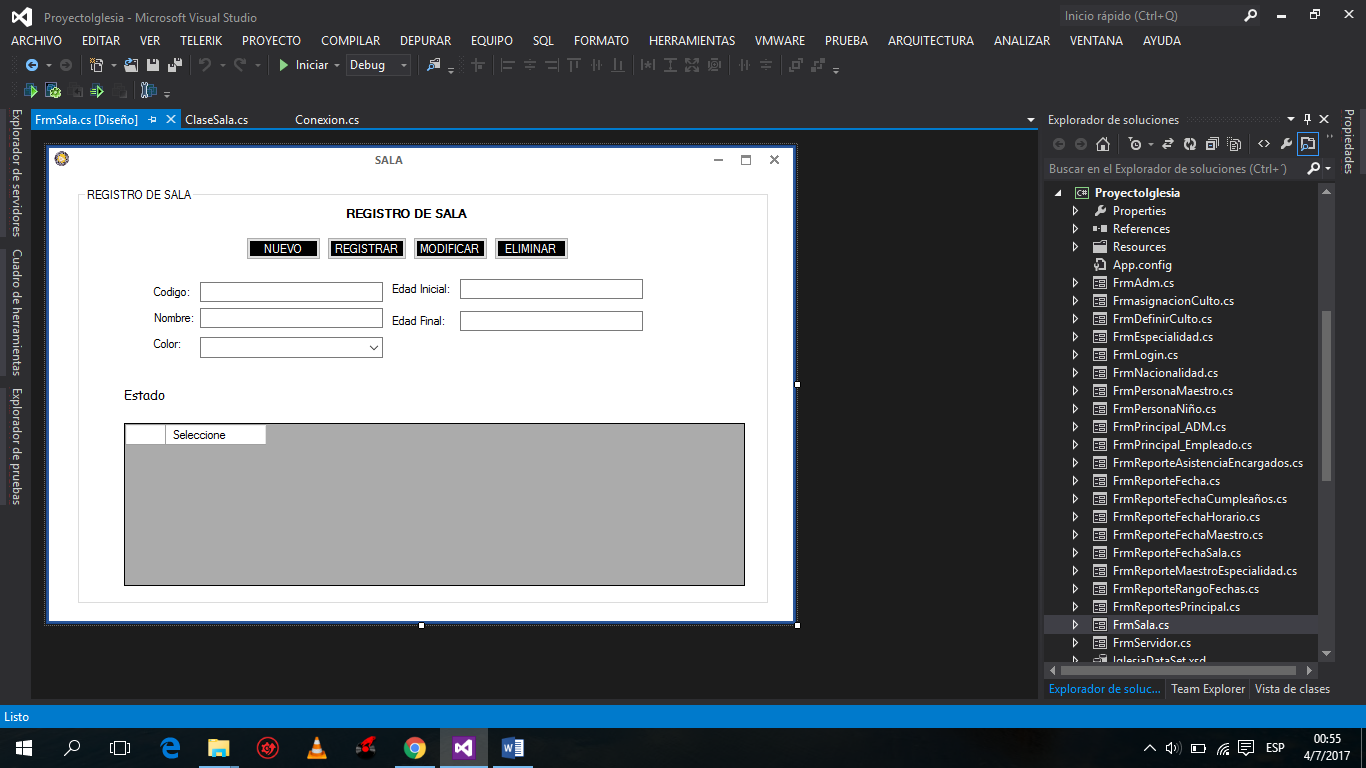
return consultarDataset(sql);

}

}

}

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)

{

}

}

}