using System;

using System.Collections.Generic;

using System.Windows.Forms;

using System.Data;

using System.Data.SqlClient;

using System.Drawing;

using System.Drawing.Imaging;

using System.IO;

using Microsoft.VisualBasic;

namespace pgproject

{

public partial class Form1 : Form

{

SqlConnection con;

SqlCommand cmd;

SqlDataAdapter adapter;

DataSet ds;

int rno = 0;

MemoryStream ms;

byte[] photo\_aray;

OpenFileDialog opd;

public Form1()

{

InitializeComponent();

}

private void label1\_Click(object sender, EventArgs e)

{

}

private void Form1\_Load(object sender, EventArgs e)

{

con = new SqlConnection("Data Source = BLT199\\SQLEXPRESS; Database = project; integrated security = true");

con.Open();

loaddata();

showdata();

}

void loaddata()

{

adapter = new SqlDataAdapter("select id ,name,contact,addhar,addr ,wplace,photo ,rdate from pg", con);

adapter.MissingSchemaAction = MissingSchemaAction.AddWithKey;

DateTime dt = Convert.ToDateTime(dateTimePicker1.Value);

ds = new DataSet();

adapter.Fill(ds, "pg");

}

void showdata()

{

if (ds.Tables[0].Rows.Count > 0)

{

textBox1.Text = ds.Tables[0].Rows[rno][0].ToString();

textBox2.Text = ds.Tables[0].Rows[rno][1].ToString();

textBox3.Text = ds.Tables[0].Rows[rno][2].ToString();

textBox4.Text = ds.Tables[0].Rows[rno][3].ToString();

textBox5.Text = ds.Tables[0].Rows[rno][4].ToString();

textBox6.Text = ds.Tables[0].Rows[rno][5].ToString();

dateTimePicker1.Value = Convert.ToDateTime(ds.Tables[0].Rows[rno][6].ToString());

pictureBox1.Image = null;

if (ds.Tables[0].Rows[rno][7] != System.DBNull.Value)

{

photo\_aray = (byte[])ds.Tables[0].Rows[rno][7];

MemoryStream ms = new MemoryStream(photo\_aray);

pictureBox1.Image = Image.FromStream(ms);

}

}

else

MessageBox.Show("No Records");

}

void conv\_photo()

{

//converting photo to binary data

if (pictureBox1.Image != null)

{

//using FileStream:(will not work while updating, if image is not changed)

//FileStream fs = new FileStream(openFileDialog1.FileName, FileMode.Open, FileAccess.Read);

//byte[] photo\_aray = new byte[fs.Length];

//fs.Read(photo\_aray, 0, photo\_aray.Length);

//using MemoryStream:

ms = new MemoryStream();

pictureBox1.Image.Save(ms, ImageFormat.Jpeg);

byte[] photo\_aray = new byte[ms.Length];

ms.Position = 0;

ms.Read(photo\_aray, 0, photo\_aray.Length);

cmd.Parameters.AddWithValue("@photo", photo\_aray);

}

}

private void button3\_Click(object sender, EventArgs e)

{

if (rno < ds.Tables[0].Rows.Count - 1)

{

rno++;

showdata();

}

else

MessageBox.Show("Last record");

}

private void button4\_Click(object sender, EventArgs e)

{

rno = ds.Tables[0].Rows.Count - 1;

showdata();

MessageBox.Show("Last record");

}

private void button1\_Click(object sender, EventArgs e)

{

try

{

int n = Convert.ToInt32(Interaction.InputBox("Enter id:", "Search", "20", 100, 100));

DataRow drow;

drow = ds.Tables[0].Rows.Find(n);

if (drow != null)

{

rno = ds.Tables[0].Rows.IndexOf(drow);

textBox1.Text = drow[0].ToString();

textBox2.Text = drow[1].ToString();

textBox3.Text = drow[3].ToString();

textBox4.Text = drow[2].ToString();

textBox5.Text = drow[4].ToString();

textBox6.Text = drow[5].ToString();

pictureBox1.Image = null;

dateTimePicker1.Value = Convert.ToDateTime (ds.Tables[0].Rows[rno][7].ToString());

if (drow[6] != System.DBNull.Value)

{

photo\_aray = (byte[])drow[6];

MemoryStream ms = new MemoryStream(photo\_aray);

pictureBox1.Image = Image.FromStream(ms);

}

}

else

MessageBox.Show("Record Not Found");

}

catch

{

MessageBox.Show("Invalid Input");

}

}

private void button2\_Click(object sender, EventArgs e)

{

if (rno > 0)

{

rno--;

showdata();

}

else

MessageBox.Show("First record");

}

private void button5\_Click(object sender, EventArgs e)

{

rno = 0;

showdata();

MessageBox.Show("First record");

}

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

{

opd.Filter = "jpeg|\*.jpg|bmp|\*.bmp|all files|\*.\*";

DialogResult res = opd.ShowDialog();

if (res == DialogResult.OK)

{

pictureBox1.Image = Image.FromFile(opd.FileName);

}

}

private void button6\_Click(object sender, EventArgs e)

{

cmd = new SqlCommand("update student set name='" + textBox2.Text + "', addhar='" + textBox3.Text + "', contact='" + textBox4.Text + "', address = '"+ textBox5.Text +"', workplace = '"+ textBox6.Text+"', date = '"+ dateTimePicker1+"' ,photo=@photo where id=" + textBox1.Text, con);

conv\_photo();

con.Open();

int n = cmd.ExecuteNonQuery();

con.Close();

if (n > 0)

{

MessageBox.Show("Record Updated");

loaddata();

}

else

MessageBox.Show("Updation Failed");

}

}

}