

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Text;

using System.Windows.Forms;

using System.Data.Odbc;

namespace fall2015windb02

{

 public partial class Form1 : Form

 {

 static public OdbcConnection con = new OdbcConnection();

 static public OdbcCommand cmd = new OdbcCommand();

 static public OdbcDataReader rd ;

 static public string constr = "dsn=jkpdsn; name=root; pwd=";

 static public string sql;

 static public int[] ind = new int[100];

 public Form1()

 {

 InitializeComponent();

 createtable();

 updlb();

 }

 private void dbw()

 {

 con = new OdbcConnection(constr);

 cmd = new OdbcCommand(sql, con);

 con.Open();

 cmd.ExecuteNonQuery();

 con.Close();

 }

 private void dbr()

 {

 con = new OdbcConnection(constr);

 cmd = new OdbcCommand(sql, con);

 con.Open();

 rd = cmd.ExecuteReader();

 }

 private void updlb()

 {

 int i = 0;

 listBox1.Items.Clear();

 sql = "select \* from test2;";

 dbr();

 while (rd.Read())

 {

 listBox1.Items.Add(rd["name"].ToString());

 ind[i++] = Convert.ToInt16(rd["i"]);

 }

 rd.Dispose();

 con.Close();

 }

 private void createtable()

 {

 try

 {

 sql = " Create table test2 (";

 sql += " i int primary key auto\_increment,";

 sql += " name varchar(20),";

 sql += " flavor varchar(20),";

 sql += " color varchar(20));";

 //MessageBox.Show(sql);

 dbw();

 }

 catch

 {

 }

 }

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

 {

 }

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

 {

 //create an ice

 sql = "insert into test2 (name, flavor, color) values ('";

 sql += textBox1.Text;

 sql += "','";

 sql += textBox2.Text;

 sql += "','";

 sql += textBox3.Text;

 sql += "');";

 MessageBox.Show(sql);

 dbw();

 textBox1.Text = "";

 textBox2.Text = "";

 textBox3.Text = "";

 updlb();

 }

 private void listBox1\_SelectedIndexChanged(object sender, EventArgs e)

 {

 sql = "select \* from test2;";

 dbr();

 while (rd.Read())

 {

 if (Convert.ToInt16(rd["i"]) == ind[listBox1.SelectedIndex])

 {

 textBox1.Text = rd["name"].ToString();

 textBox2.Text = rd["flavor"].ToString();

 textBox3.Text = rd["color"].ToString();

 }

 }

 rd.Dispose();

 con.Close();

 }

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

 {

 //delete an icecream

 sql = "delete from test2 where i = ";

 sql += ind[listBox1.SelectedIndex];

 sql += ";";

 MessageBox.Show(sql);

 dbw();

 updlb();

 textBox1.Text = "";

 textBox2.Text = "";

 textBox3.Text = "";

 }

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

 {

 //update

 sql = "Update test2 set name = '";

 sql += textBox1.Text;

 sql += "', flavor = '";

 sql += textBox2.Text;

 sql += "',color = '";

 sql += textBox3.Text;

 sql += "' where i = ";

 sql += ind[listBox1.SelectedIndex];

 sql += ";";

 dbw();

 updlb();

 textBox1.Text = "";

 textBox2.Text = "";

 textBox3.Text = "";

 }

 }

}