

CODE:

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 MySql.Data.MySqlClient;

namespace SCRUD\_CSharp

{

public partial class Form1 : Form

{

public Form1()

{

InitializeComponent();

}

MySqlConnection conn = new MySqlConnection();

MySqlCommand cmd = new MySqlCommand();

MySqlDataReader reader = default(MySqlDataReader);

string str = "";

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

{

conn = new MySqlConnection("Server=localhost; User Id=root; Password=jmabril17; database=scrudcsharp");

try

{

conn.Open();

loadRecord();

}

catch (Exception ex)

{

MessageBox.Show(ex.Message);

}

}

**public void loadRecord()**

{

try

{

listView1.Items.Clear();

str = "SELECT \* FROM information ORDER BY STUDID";

cmd = new MySqlCommand(str, conn);

reader = cmd.ExecuteReader();

while (reader.Read())

{

ListViewItem item = new ListViewItem(reader["NAME"].ToString());

item.SubItems.Add(reader["STUDID"].ToString());

item.SubItems.Add(reader["ADDRESS"].ToString());

listView1.Items.Add(item);

}

reader.Close();

cmd.Dispose();

}

catch (Exception ex)

{

MessageBox.Show(ex.Message);

}

}

// INSERTION

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

{

try

{

str = "INSERT INTO information VALUES (@f1,@f2,@f3)";

cmd = new MySqlCommand(str, conn);

cmd.Parameters.AddWithValue("@f1", txt\_name.Text); cmd.Parameters.AddWithValue("@f2", txt\_studID.Text); cmd.Parameters.AddWithValue("@f3", txt\_address.Text);

cmd.ExecuteNonQuery();

MessageBox.Show("DATA INSERTED");

loadRecord();

txt\_name.Clear();

txt\_studID.Clear();

txt\_address.Clear();

txt\_name.Focus();

cmd.Dispose();

}

catch (Exception ex)

{

MessageBox.Show(ex.Message);

}

}

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

{

try

{

str = "UPDATE information SET NAME = @f1, ADDRESS = @f2 WHERE STUDID = @f3";

cmd = new MySqlCommand(str, conn);

cmd.Parameters.AddWithValue("@f1", txt\_name.Text);

cmd.Parameters.AddWithValue("@f2", txt\_address.Text);

cmd.Parameters.AddWithValue("@f3", txt\_studID.Text);

cmd.ExecuteNonQuery();

MessageBox.Show("DATA UPDATED");

loadRecord();

txt\_studID.Enabled = true;

txt\_name.Clear();

txt\_address.Clear();

txt\_studID.Clear();

txt\_name.Focus();

cmd.Dispose();

}

catch (Exception ex)

{

MessageBox.Show(ex.Message);

}

}

**private void listView1\_DoubleClick(object sender, EventArgs e)**

{

txt\_studID.Enabled = false;

ListViewItem selectItem = listView1.SelectedItems[0];

txt\_name.Text = selectItem.SubItems[0].Text;

txt\_studID.Text = selectItem.SubItems[1].Text;

txt\_address.Text = selectItem.SubItems[2].Text;

}

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

{

try

{

str = "DELETE FROM information WHERE STUDID=@f1";

cmd = new MySqlCommand(str, conn); cmd.Parameters.AddWithValue("@f1", txt\_studID.Text);

cmd.ExecuteNonQuery();

MessageBox.Show("DATA DELETED");

loadRecord();

txt\_studID.Enabled = true;

txt\_name.Clear();

txt\_address.Clear();

txt\_studID.Clear();

txt\_name.Focus();

cmd.Dispose();

}

catch (Exception ex)

{

MessageBox.Show(ex.Message);

}

}

**private void txt\_search\_TextChanged(object sender, EventArgs e)**

{

try

{

listView1.Items.Clear();

str = "SELECT \* FROM information WHERE NAME LIKE '" + this.txt\_search.Text + "%'";

cmd = new MySqlCommand(str, conn);

reader = cmd.ExecuteReader();

while (reader.Read())

{

ListViewItem item = new ListViewItem(reader["NAME"].ToString()); item.SubItems.Add(reader["STUDID"].ToString()); item.SubItems.Add(reader["ADDRESS"].ToString()); listView1.Items.Add(item);

}

cmd.Dispose();

reader.Close();

}

catch (Exception ex)

{

MessageBox.Show(ex.Message);

}

}

}

}