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 System.IO.Ports;

using System.Data.SqlClient;

namespace \_Gercek\_zamanli

{

public partial class Main : Form

{

SqlConnection bag = new SqlConnection("Data Source =.; Initial Catalog = gercekzamanlı; Integrated Security = True");

SqlCommand komut = new SqlCommand();

DataTable tablo = new DataTable();

string[] ports = SerialPort.GetPortNames();

public Main()

{

InitializeComponent();

serialPort1.BaudRate = 9600;

}

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

{

foreach (string port in ports)

{

comboBox1.Items.Add(port);

comboBox1.SelectedIndex = 0;

}

}

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

{

if (!serialPort1.IsOpen)

{

if (comboBox1.Text == "")

return;

serialPort1.PortName = comboBox1.Text;

try

{

serialPort1.Open();

MessageBox.Show("Bağlantı başarıyla Kuruldu");

timer1.Start();

}

catch (Exception ex)

{

timer1.Stop();

MessageBox.Show(ex.Message);

}

}

}

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

{

timer1.Stop();

serialPort1.Close();

MessageBox.Show("Bağlantı sonlandırıldı.!");

}

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

{

tablo.Clear();

SqlDataAdapter adaptr = new SqlDataAdapter("SELECT ldr FROM Ldr\_tablosu", bag);

adaptr.Fill(tablo);

dataGridView1.DataSource = tablo;

}

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

{

tablo.Clear();

SqlDataAdapter sesgon = new SqlDataAdapter("SELECT ses FROM Mikrofon\_tablosu", bag);

sesgon.Fill(tablo);

dataGridView1.DataSource = tablo;

}

private void timer1\_Tick(object sender, EventArgs e)

{

try

{

serialPort1.Write("a");

int data = Convert.ToInt16(serialPort1.ReadLine());

int sata = Convert.ToInt16(serialPort1.ReadLine());

textBox1.Text = data.ToString();

textBox2.Text = sata.ToString();

if (bag.State == ConnectionState.Closed) bag.Open();

SqlCommand komut = new SqlCommand("INSERT INTO Ldr\_tablosu (ldr) VALUES ('" + textBox1.Text + "')", bag);

SqlCommand ilet = new SqlCommand("INSERT INTO Mikrofon\_tablosu (ses) VALUES ('" + textBox2.Text + "')", bag);

komut.ExecuteNonQuery();

ilet.ExecuteNonQuery();

bag.Close();

}

catch (Exception ex)

{

MessageBox.Show(ex.Message);

bag.Close();

}

}

private void Main\_FormClosed(object sender, FormClosedEventArgs e)

{

timer1.Stop();

serialPort1.Close();

}

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

{

this.Hide();

Grafik gr = new Grafik();

gr.Show();

}

private void btn\_kapa1\_Click(object sender, EventArgs e)

{

this.Close();

Application.Exit();

}

}

}