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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.Data.SqlClient;

namespace student_resi_form_with_para
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }
        string str1 = "server=DESKTOP-1GU2RS7\\SQLEXPRESS;integrated
security=true;database=mkpit_sample1;";
        SqlConnection conn = null;
        SqlCommand comm = null;
        private void radioButton2_CheckedChanged(object sender, EventArgs e)
        {

        }

        private void button1_Click(object sender, EventArgs e)

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{
    try
    {
        string gen=null,hobby=null;
        if (radioButton1.Checked)
            gen = radioButton1.Text;
        else if (radioButton2.Checked)
            gen = radioButton2.Text;

        if(checkBox1.Checked)
            hobby=checkBox1.Text;
        if (checkBox2.Checked)
            hobby += " "+checkBox2.Text;

        conn = new SqlConnection(str1);
        string ins1 = "insert into student_info
values(@rn,@stud_name,@gender,@hobby,@city,@dob)";
        comm= new SqlCommand(ins1,conn);

        comm.Parameters.Add("@rn",SqlDbType.Int).Value=Convert.ToInt32(textBox1.Text);
        comm.Parameters.Add("@stud_name", SqlDbType.VarChar, 20).Value =
textBox2.Text;
        comm.Parameters.Add("@gender", SqlDbType.VarChar, 20).Value = gen;
        comm.Parameters.Add("@hobby", SqlDbType.VarChar, 20).Value = hobby;
        comm.Parameters.Add("@city", SqlDbType.VarChar, 20).Value =
comboBox1.Text;
        comm.Parameters.Add("@dob", SqlDbType.VarChar, 20).Value =
dateTimePicker1.Text;
        conn.Open();
        comm.ExecuteNonQuery();
        textBox1.Clear();
        textBox2.Clear();
        textBox1.Focus();
        MessageBox.Show("Record saved, successfully!");
    }
    catch(Exception ee)
    {
        MessageBox.Show(ee.ToString());
    }
    finally
    {
        conn.Close();
    }
}

private void button2_Click(object sender, EventArgs e)
{
    try
    {
        string gen = null, hobby = null;
        if (radioButton1.Checked)
            gen = radioButton1.Text;
        else if (radioButton2.Checked)
            gen = radioButton2.Text;

        if (checkBox1.Checked)
            hobby = checkBox1.Text;
    }
}

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        if (checkBox2.Checked)
            hobby += " " + checkBox2.Text;

        conn = new SqlConnection(str1);
        string up1 = "update student_info set
stud_name=@stud_name,gender=@gender,hobby=@hobby,city=@city,dob=@dob where rn=@rn";
        comm = new SqlCommand(up1, conn);
        comm.Parameters.Add("@stud_name", SqlDbType.VarChar, 20).Value =
textBox2.Text;
        comm.Parameters.Add("@gender", SqlDbType.VarChar, 20).Value = gen;
        comm.Parameters.Add("@hobby", SqlDbType.VarChar, 20).Value = hobby;
        comm.Parameters.Add("@city", SqlDbType.VarChar, 20).Value =
comboBox1.Text;
        comm.Parameters.Add("@dob", SqlDbType.VarChar, 20).Value =
dateTimePicker1.Text;
        comm.Parameters.Add("@rn", SqlDbType.Int).Value =
Convert.ToInt32(textBox1.Text);
        conn.Open();
        comm.ExecuteNonQuery();
        textBox1.Clear();
        textBox2.Clear();
        textBox1.Focus();
        MessageBox.Show("Record updated, successfully!");
    }
    catch (Exception ee)
    {
        MessageBox.Show(ee.ToString());
    }
    finally
    {
        conn.Close();
    }
}

private void button3_Click(object sender, EventArgs e)
{
    try
    {
        conn = new SqlConnection(str1);
        string del1 = "delete from student_info where rn=@rn";
        comm = new SqlCommand(del1, conn);
        comm.Parameters.Add("@rn", SqlDbType.Int).Value =
Convert.ToInt32(textBox1.Text);
        conn.Open();
        comm.ExecuteNonQuery();
        textBox1.Clear();
        textBox2.Clear();
        textBox1.Focus();
        MessageBox.Show("Record deleted, successfully!");
    }
    catch (Exception ee)
    {
        MessageBox.Show(ee.ToString());
    }
    finally
    {

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        conn.Close();
    }
}

private void button4_Click(object sender, EventArgs e)
{
    try
    {
        int flag = 0;

        conn = new SqlConnection(str1);
        string ser = "select * from student_info where rn=@rn";
        comm = new SqlCommand(ser, conn);
        comm.Parameters.Add("@rn", SqlDbType.Int).Value =
Convert.ToInt32(textBox1.Text);

        conn.Open();
        SqlDataReader dr = comm.ExecuteReader();
        while(dr.Read())
        {
            flag = 1;
            textBox2.Text = dr["stud_name"].ToString();
            string gen = dr["gender"].ToString();
            string hobby = dr["hobby"].ToString();
            if (gen == "Male")
                radioButton1.Checked = true;
            if (gen == "Female")
                radioButton1.Checked = true;

            if (hobby == "Music")
                checkBox1.Checked = true;
            else if (hobby == "Travelling")
                checkBox2.Checked = true;
            else if (hobby == "Travelling" && hobby == "Music")
            {
                checkBox1.Checked = true;
                checkBox2.Checked = true;
            }
            comboBox1.Text = dr["City"].ToString();
            dateTimePicker1.Text = dr["dob"].ToString();

        }
        dr.Close();

        if(flag==0)
        {
            MessageBox.Show("Record not found");
        }

    }
    catch (Exception ee)
    {
        MessageBox.Show(ee.ToString());
    }
    finally
    {
        conn.Close();
    }
}

```

}  
}  
}