PRG521 Summitive

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Question 4:

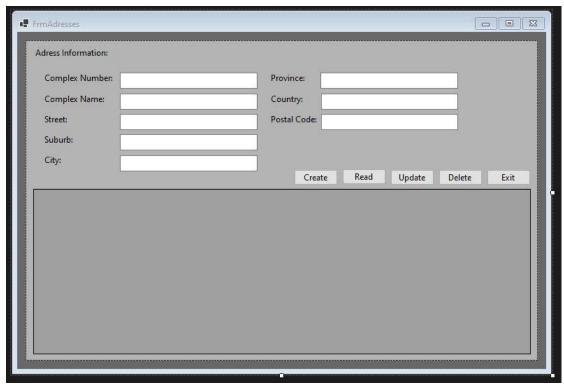
Question 4 10 pts

Form Address:-Functionality

• Ensure that this form is connected to the DBCtuLogistics created in *question* 2. The Create button will insert new data into the Database, the read button will retrieve data from the database and display it on the form, Update button will update a record into the database using complex number and complex name, and the delete button will delete a record into the database using complex number and complex name.

 $You \ will \ have \ to \ provide \ screenshots \ and \ the \ full \ program \ show casing \ how \ the \ program \ function.$

Screen shots:



```
🗴 FrmAdresses.cs [Design] FrmCustomers.cs [Design] FrmFreight.cs [Design] FrmDriver.cs [Design] FrmStatus.cs [Design]
ve6955 - 🗣 PRGS21Summitive6955.FrmAdresses - - 🗣 FrmAdresses_Load(object sender, EventArgs e)
                                                                                         SQLAddapt = new SqlDataAdapter("Select * From frmAddress", connection);
dattbl = new DataTable();
SQLAddapt.fill(dattbl);
dffriAddress.DataSource = dattbl;
connection.close();
                                                                                      txtCompNumber.Clear();
txtCompName.Clear();
txtStreet.Clear();
txtCottry.Clear();
txtCoutry.Clear();
txtPovaince.Clear();
txtPovaince.Clear();
txtSub.Clear();
txtCompNumber.Focus();
                                                                         txtCompNumber.Focus();
                                                                        displaydata();
                                                                                                      connection.Open();
cmd = new SqlCommand("Update
cmd.ExecuteNonQuery();
MessageBox.Show("Updated");
connection.close();
displaydata();
                                                                                                                                                                                    nd("Update frmAddress set ComplexNumber= "" + txtCompNumber.Text + "",ComplexName= "" + txtCompName.Text + "",Street= "" + txtStreet.Text + "",Suburb=
                                                                             1 reference
private void btnDelete Click(object sender, EventArgs e)
FrmAdresses.cs  

FrmAdresses.
                                                                                                                                                                                                                                                                                                                                FrmFreight.cs [Design] FrmDriver.cs [Design] FrmStatus.cs [Design]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    → 🗣 FrmAdresses_Load(object sender, EventA
                                                                                                  1 reference
private void <a href="https://bithubelete_Click">bithubelete_Click</a>(object sender, EventArgs e)
                                                                                                                connection.Open();
cmd = new SqlCommand("delete from frmAddress where ID = "+ AdressID, connection);
cmd.ExecuteNonQuery();
MessageBox.Show("Deleted");
connection.Close();
displaydata();
                                                                                                                AdressID = Convert.ToInt32(dtGridAdress.Rows[e.RowIndex].Cells[0].Value.ToString());

txtCompNumber.Text = dtGridAdress.Rows[e.RowIndex].Cells[1].Value.ToString();

txtStreet.Text = dtGridAdress.Rows[e.RowIndex].Cells[3].Value.ToString();

txtCity.Text = dtGridAdress.Rows[e.RowIndex].Cells[3].Value.ToString();

txtCountry.Text = dtGridAdress.Rows[e.RowIndex].Cells[7].Value.ToString();

txtPorvince.Text = dtGridAdress.Rows[e.RowIndex].Cells[6].Value.ToString();

txtSub.Text = dtGridAdress.Rows[e.RowIndex].Cells[4].Value.ToString();

txtCompName.Text = dtGridAdress.Rows[e.RowIndex].Cells[2].Value.ToString();

txtPostalCode.Text = dtGridAdress.Rows[e.RowIndex].Cells[8].Value.ToString();
```

```
Code:
//6955 Laikin Barnard
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 PRG521Summitive6955
    //6955 Laikin Barnard
    public partial class FrmAdresses : Form
        public FrmAdresses()
             InitializeComponent();
        }
        SqlConnection connection = new SqlConnection("Data Source=DESKTOP-
2AAM5H7\\SQLEXPRESS; Initial Catalog=DBCtuLogistics; Integrated Security=True");
        SqlCommand cmd = new SqlCommand();
        int AdressID;
        private void btnCreate_Click(object sender, EventArgs e)
             connection.Open();
             cmd = new SqlCommand("INSERT INTO frmAddress
(ComplexNumber,ComplexName,Street,Suburb,City,Provice,Country,PostalCode)" +
                 " VALUES ('" + txtCompNumber.Text + "', '" + txtCompName.Text + "', '"
+ txtStreet.Text + "', '" + txtSub.Text + "', '" + txtCity.Text + "', '" + txtProvince.Text + "', '" + txtCountry.Text + "', " + txtPostalCode.Text + ")",
connection);
             cmd.ExecuteNonQuery();
             MessageBox.Show("Details Saved Successfully");
             connection.Close();
             displaydata();
             TextboxClear();
        }
        public void displaydata()
             SqlDataAdapter SQLAddapt;
             DataTable dattbl;
             connection.Open();
             SQLAddapt = new SqlDataAdapter("Select * From frmAddress", connection);
             dattbl = new DataTable();
             SQLAddapt.Fill(dattbl);
             dtGridAdress.DataSource = dattbl;
             connection.Close();
        }
        public void TextboxClear()
```

```
{
             txtCompNumber.Clear();
             txtCompName.Clear();
             txtStreet.Clear();
             txtCity.Clear();
             txtCountry.Clear();
             txtPostalCode.Clear();
             txtProvince.Clear();
             txtSub.Clear();
             txtCompNumber.Focus();
        }
        private void FrmAdresses_Load(object sender, EventArgs e)
             txtCompNumber.Focus();
        }
        private void btnRead_Click(object sender, EventArgs e)
             displaydata();
        }
        private void btnUpdate_Click(object sender, EventArgs e)
        {
             try
             {
                 connection.Open();
                 cmd = new SqlCommand("Update frmAddress set ComplexNumber= '" +
txtCompNumber.Text + "',ComplexName= '" + txtCompName.Text + "',Street= '" +
txtStreet.Text + "',Suburb= '" + txtSub.Text + "',City= '" + txtCity.Text +
"',Provice= '" + txtProvince.Text + "',Country= '" + txtCountry.Text + "',PostalCode=
'" + txtPostalCode.Text + "' where ID = '" + AdressID + "'", connection);
                 cmd.ExecuteNonQuery();
                 MessageBox.Show("Updated");
                 connection.Close();
                 displaydata();
             }
             catch (Exception ex)
                 MessageBox.Show(ex.Message, "Error", MessageBoxButtons.OK,
MessageBoxIcon.Error);
        }
        private void btnDelete Click(object sender, EventArgs e)
             connection.Open();
             cmd = new SqlCommand("delete from frmAddress where ID = "+ AdressID,
connection);
             cmd.ExecuteNonQuery();
             MessageBox.Show("Deleted");
             connection.Close();
             displaydata();
        }
        private void btnExit_Click(object sender, EventArgs e)
             Application.Exit();
        }
```

```
private void dtGridAdress_CellClick(object sender, DataGridViewCellEventArgs
e)
        {
            AdressID =
Convert.ToInt32(dtGridAdress.Rows[e.RowIndex].Cells[0].Value.ToString());
            txtCompNumber.Text =
dtGridAdress.Rows[e.RowIndex].Cells[1].Value.ToString();
            txtStreet.Text = dtGridAdress.Rows[e.RowIndex].Cells[3].Value.ToString();
            txtCity.Text = dtGridAdress.Rows[e.RowIndex].Cells[5].Value.ToString();
            txtCountry.Text = dtGridAdress.Rows[e.RowIndex].Cells[7].Value.ToString();
            txtProvince.Text =
dtGridAdress.Rows[e.RowIndex].Cells[6].Value.ToString();
            txtSub.Text = dtGridAdress.Rows[e.RowIndex].Cells[4].Value.ToString();
            txtCompName.Text =
dtGridAdress.Rows[e.RowIndex].Cells[2].Value.ToString();
            txtPostalCode.Text =
dtGridAdress.Rows[e.RowIndex].Cells[8].Value.ToString();
    }
}
//6955 Laikin Barnard
```

Results:

