

Lab 3 – Use the Windows form elements according to you domain and demonstrate it using the sql database.

Code –

Form1.cs –

```
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;

namespace EWMI_login
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }

        private void linkLabel2_LinkClicked(object sender,
LinkLabelLinkClickedEventArgs e)
        {
            Form2 f = new Form2();
            f.Show();
            this.Hide();
        }

        private void linkLabel1_LinkClicked(object sender,
LinkLabelLinkClickedEventArgs e)
        {
            Form3 f = new Form3();
            f.Show();
            this.Hide();
        }
    }
}
```

Form2.cs –

```
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 EWMI_login
{
    public partial class Form2 : Form
    {
        public Form2()
        {
            InitializeComponent();
        }

        private void label4_Click(object sender, EventArgs e)
        {
        }

        private void button1_Click(object sender, EventArgs e)
        {
            string fname, lname, gender, address, user, pass, cnf_pw;

            fname = textBox1.Text;
            lname = textBox2.Text;
            address = richTextBox1.Text;
            user = textBox3.Text;
            pass = textBox4.Text;
            cnf_pw = textBox5.Text;

            if (radioButton1.Checked)
            {
                gender = "Male";
            }
            else if (radioButton2.Checked)
            {
                gender = "Female";
            }
            else
            {
                gender = "Others";
            }

            if (!pass.Equals(cnf_pw))
            {
                MessageBox.Show("Password doesn't match", "Error in Password");
            }
            else
            {
                try
                {

```

```

        string con_string = @"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=D:\CLG\sem5\.NET\AWMI\EWMI_login\Database1.mdf;Integrated Security=True";

        SqlConnection sqlCon = new SqlConnection(con_string);

        string query = "insert into
register_user(firstname,lastname,gender,address,username,password) values('" + fname +
"', '" + lname + "', '" + gender + "', '" + address + "', '" + user + "', '" + pass + "')";

        SqlCommand command = new SqlCommand(query, sqlCon);

        sqlCon.Open();

        int i = command.ExecuteNonQuery();

        if (i > 0)
        {
            MessageBox.Show("Connection successful", "Successful");
        }
        else
        {
            MessageBox.Show("Connection Unsuccessful", "Failed");
        }

        sqlCon.Close();
    }
    catch (SqlException e1)
    {
        MessageBox.Show(e1.Message);
    }
}

private void richTextBox1_TextChanged(object sender, EventArgs e)
{
}

private void linkLabel1_LinkClicked(object sender,
LinkLabelLinkClickedEventArgs e)
{
    Form1 f = new Form1();
    f.Show();
    this.Hide();
}
}

```

Form3.cs –


```
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;

namespace EWMI_login
{
    public partial class Form3 : Form
    {
        public Form3()
        {
            InitializeComponent();


            private void linkLabel1_LinkClicked(object sender,
LinkLabelLinkClickedEventArgs e)
            {
                Form1 f = new Form1();
                f.Show();
                this.Hide();
            }
        }
    }
}
```

Screenshots of the Output –

A) Login screen

 Login

LOGIN

EWMI



Username :

Password :

Login

[Forgot Password?](#) [New user?](#)

B) Click on new user:

 New User

New User Registration Form

New Registration

[< Go Back](#)

First Name :

Last Name :

Gender : ☐ Male ☐ Female ☐ Other

Address :

Choose Username :

Choose Password :

Re-enter Password :

Register

C) Filling details

New User

New User Registration Form

New Registration [< Go Back](#)

First Name :

Last Name :

Gender : ☒ Male ☐ Female ☐ Other

Address :

Choose Username :

Choose Password :

Re-enter Password :

D) Passwords doesn't match

New User

New User Registration Form

New Registration [< Go Back](#)

First Name :

Last Name :

Gender : ☒ Male ☐ Female ☐ Other

Address :

Choose Username :

Choose Password :

Re-enter Password :

Error in Password

Password doesn't match

OK

E) Click Register

New User

New User Registration Form

New Registration [< Go Back](#)

First Name :

Last Name :

Gender : ☒ Male ☐ Female ☐ Other

Address :

Choose Username :

Choose Password :

Re-enter Password :

Successful

Connection successful

OK

F) Database confirmation

The screenshot shows the Visual Studio IDE with the 'dbo.register_user [Data]' table view selected. The table contains the following data:

firstname	lastname	gender	address	username	password
Ansh	Awasthi	Male	Hno. 4/4	user1	user1234
Avatansh	Awasthi	Male	Hno 3/3	user2	asdf
Avyay	Awasthi	Male	SMQ 4/4	user3	user@123
NULL	NULL	NULL	NULL	NULL	NULL

The interface also shows the Server Explorer on the left, the Solution Explorer on the right, and the Diagnostics Tools window at the bottom right.

	firstname	lastname	gender	address	username	password
	Ansh	Awasthi	Male	Hno. 4/4	user1	user1234
	Avatansh	Awasthi	Male	Hno 3/3	user2	asdf
	Avyay	Awasthi	Male	SMQ 4/4	user3	user@123
	NULL	NULL	NULL	NULL	NULL	NULL

G) Username is primary so no insertion on duplicate username :

New User

New User Registration Form

New Registration [< Go Back](#)

First Name :

Last Name :

Gender : ☒ Male ☐ Female ☐ Other

Address :

Choose Username :

Choose Password :

Re-enter Password :

Violation of PRIMARY KEY constraint 'PK__register__F3DBC573C01336C6'. Cannot insert duplicate key in object 'dbo.register_user'. The duplicate key value is (user1). The statement has been terminated.

H) Go back to login and clicking forgot password.

Fogrot Password

Reset Password

Please enter your username and the reset password.

Username :

Password :

Re-Enter :

[< Go Back](#)