## Homepage

using System;

using System.Windows.Forms;

namespace SE\_Assignment

{

public partial class Homepage : Form

{

public Homepage()

{

InitializeComponent();

}

private void button1\_Click(object sender, EventArgs e)

{

Login mm = new Login();

mm.Show();

}

private void button2\_Click\_1(object sender, EventArgs e)

{

SignUp ss = new SignUp();

ss.Show();

}

private void Button3\_Click(object sender, EventArgs e)

{

Application.Exit();

}

}

}

## Login

using System;

using System.Data;

using System.Windows.Forms;

using System.Data.SqlClient;

namespace SE\_Assignment

{

public partial class Login : Form

{

string cs = @"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename='C:\Users\nishant\Desktop\CodeRepo\Code-repository\SE Assignment\testlogin.mdf';Integrated Security = True; Connect Timeout = 30";

public Login()

{

InitializeComponent();

}

private void label1\_Click(object sender, EventArgs e)

{

}

private void textBox1\_TextChanged(object sender, EventArgs e)

{

}

private void label2\_Click(object sender, EventArgs e)

{

}

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

{

usernameBox.Focus();

}

Output op = new Output();

private void button1\_Click(object sender, EventArgs e)

{

if (usernameBox.Text == "")

{

MessageBox.Show("Please enter user name", "Error", MessageBoxButtons.OK, MessageBoxIcon.Error);

usernameBox.Focus();

return;

}

if (passwordBox.Text == "")

{

MessageBox.Show("Please enter password", "Error", MessageBoxButtons.OK, MessageBoxIcon.Error);

passwordBox.Focus();

return;

}

try

{

SqlConnection loginCon = default(SqlConnection);

loginCon = new SqlConnection(cs);

SqlCommand loginCom = default(SqlCommand);

loginCom = new SqlCommand("SELECT Username,Password FROM login WHERE Username = @username AND Password = @password", loginCon);

SqlParameter uName = new SqlParameter("@Username", SqlDbType.VarChar);

SqlParameter uPass = new SqlParameter("@Password", SqlDbType.VarChar);

uName.Value = usernameBox.Text;

uPass.Value = passwordBox.Text;

loginCom.Parameters.Add(uName);

loginCom.Parameters.Add(uPass);

loginCom.Connection.Open();

SqlDataReader loginRead = loginCom.ExecuteReader(CommandBehavior.CloseConnection);

if (loginRead.Read() == true)

{

op.Show();

this.Close();

}

else

{

MessageBox.Show("Login failed", "Login Denied", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

if (loginCon.State == ConnectionState.Open)

loginCon.Dispose();

}

catch (Exception ex)

{

MessageBox.Show(ex.Message, "Error", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

}

private void button2\_Click(object sender, EventArgs e)

{

Forgot fo = new Forgot();

fo.Show();

this.Close();

}

}

}

## Forgot Password

using System;

using System.Data;

using System.Windows.Forms;

using System.Data.SqlClient;

namespace SE\_Assignment

{

public partial class Forgot : Form

{

String cs = @"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename='C:\Users\Shreeyash Naik\Documents\GitHub\Code-Repository\SE Assignment\testlogin.mdf';Integrated Security=True;Connect Timeout=30";

public Forgot()

{

InitializeComponent();

}

private void textBox3\_TextChanged(object sender, EventArgs e)

{

}

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

{

}

private void textBox1\_TextChanged(object sender, EventArgs e)

{

}

private void button1\_Click(object sender, EventArgs e)

{

if (textBox1.Text == "")

{

MessageBox.Show("Please enter user name", "Error", MessageBoxButtons.OK, MessageBoxIcon.Error);

textBox1.Focus();

return;

}

try

{

SqlConnection loginCon = default(SqlConnection);

loginCon = new SqlConnection(cs);

SqlCommand loginCom = default(SqlCommand);

loginCom = new SqlCommand("SELECT Username, SeQue, SeAns FROM login WHERE Username = @username AND Seque = @seque AND seans = @seans", loginCon);

SqlParameter uName = new SqlParameter("@Username", SqlDbType.VarChar);

SqlParameter se = new SqlParameter("@seque", SqlDbType.NVarChar);

SqlParameter sea = new SqlParameter("@seans", SqlDbType.NVarChar);

uName.Value = textBox1.Text;

se.Value = comboBox1.Text;

sea.Value = textBox3.Text;

loginCom.Parameters.Add(uName);

loginCom.Parameters.Add(se);

loginCom.Parameters.Add(sea);

loginCom.Connection.Open();

SqlDataReader loginRead = loginCom.ExecuteReader(CommandBehavior.CloseConnection);

if (loginRead.Read() == true)

{

Output op = new Output();

op.Show();

this.Close();

}

else

{

MessageBox.Show("Username or Security Question and Answer is wrong", "Login Denied", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

if (loginCon.State == ConnectionState.Open)

loginCon.Dispose();

}

catch (Exception ex)

{

MessageBox.Show(ex.Message, "Error", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

}

private void Button2\_Click(object sender, EventArgs e)

{

this.Controls.Clear();

this.InitializeComponent();

}

private void Button3\_Click(object sender, EventArgs e)

{

}

private void Button1\_Click\_1(object sender, EventArgs e)

{

Login log = new Login();

log.Show();

this.Close();

}

}

}

## Signup

using System;

using System.Windows.Forms;

using System.Data.SqlClient;

namespace SE\_Assignment

{

public partial class SignUp : Form

{

string cs = @"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename='C:\Users\nishant\Desktop\CodeRepo\Code-repository\SE Assignment\testlogin.mdf';Integrated Security=True;Connect Timeout=30";

public SignUp()

{

InitializeComponent();

}

private void Label1\_Click(object sender, EventArgs e)

{

}

private void Button1\_Click(object sender, EventArgs e)

{

if (unameSignUp.Text == "")

{

MessageBox.Show("Please enter username!", "Error", MessageBoxButtons.OK, MessageBoxIcon.Error);

unameSignUp.Focus();

return;

}

if (passSignUp.Text == "")

{

MessageBox.Show("Please enter password!", "Error", MessageBoxButtons.OK, MessageBoxIcon.Error);

passSignUp.Focus();

return;

}

if(passSignUp.Text!=passConf.Text)

{

MessageBox.Show("Passwords Entered are not same, please enter again!", "Error", MessageBoxButtons.OK, MessageBoxIcon.Error);

passSignUp.Clear();

passConf.Clear();

passSignUp.Focus();

return;

}

try

{

using (SqlConnection signupCon = new SqlConnection(cs))

{

signupCon.Open();

using (SqlCommand signupCom = new SqlCommand("insert into login ([username], [password], [SeQue], [SeAns]) values(@uname,@pass,@sequ,@sean)", signupCon))

{

signupCom.Parameters.AddWithValue("@uname", unameSignUp.Text);

signupCom.Parameters.AddWithValue("@pass", passSignUp.Text);

signupCom.Parameters.AddWithValue("@sequ", secQueDrop.Text);

signupCom.Parameters.AddWithValue("@sean", secAnsBox.Text);

signupCom.ExecuteNonQuery();

MessageBox.Show("Registered Successfully","Successful", MessageBoxButtons.OK);

}

}

}

catch (Exception ex)

{

MessageBox.Show(ex.Message, "Error", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

this.Close();

}

private void TextBox6\_TextChanged(object sender, EventArgs e)

{

}

private void TextBox1\_TextChanged(object sender, EventArgs e)

{

}

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

{

}

private void TxtPassword\_TextChanged(object sender, EventArgs e)

{

}

private void BttnCancel\_Click(object sender, EventArgs e)

{

}

private void Button1\_Click\_1(object sender, EventArgs e)

{

this.Hide();

}

private void Button1\_Click\_2(object sender, EventArgs e)

{

this.Close();

}

}

}

## Output

using System;

using System.Windows.Forms;

using System.IO;

using System.Diagnostics;

namespace SE\_Assignment

{

public partial class Output : Form

{

public Output()

{

InitializeComponent();

}

private void Label1\_Click(object sender, EventArgs e)

{

}

private void Button1\_Click(object sender, EventArgs e)

{

Login l = new Login();

l.Show();

this.Hide();

}

private void Button2\_Click(object sender, EventArgs e)

{

this.Controls.Clear();

this.InitializeComponent();

}

private void Button3\_Click(object sender, EventArgs e)

{

string a, b;

if (comboBox1.Text.Equals(""))

{

MessageBox.Show("Please Enter The Title", "Error", MessageBoxButtons.OK, MessageBoxIcon.Error);

comboBox1.Focus();

return;

}

if (comboBox2.Text.Equals(""))

{

MessageBox.Show("Please Enter The Language", "Error", MessageBoxButtons.OK, MessageBoxIcon.Error);

comboBox2.Focus();

return;

}

try

{

a = comboBox1.SelectedItem.ToString();

b = comboBox2.SelectedItem.ToString();

if (a == "Fibonacci Series" && b == "C")

{

TextReader reader = new StreamReader("fibinc.txt");

richTextBox1.Text = reader.ReadToEnd();

}

else if (a == "Fibonacci Series" && b == "C++")

{

TextReader reader = new StreamReader("fibincpp.txt");

richTextBox1.Text = reader.ReadToEnd();

}

else if (a == "Fibonacci Series" && b == "Python")

{

TextReader reader = new StreamReader("fibo.py");

richTextBox1.Text = reader.ReadToEnd();

}

else if (a == "Fibonacci Series" && b == "Java")

{

TextReader reader = new StreamReader("fiboinja.txt");

richTextBox1.Text = reader.ReadToEnd();

}

else if (a == "Factorial Of A Number" && b == "C")

{

TextReader reader = new StreamReader("factinc.txt");

richTextBox1.Text = reader.ReadToEnd();

}

else if (a == "Factorial Of A Number" && b == "C++")

{

TextReader reader = new StreamReader("factincpp.txt");

richTextBox1.Text = reader.ReadToEnd();

}

else if (a == "Factorial Of A Number" && b == "Python")

{

TextReader reader = new StreamReader("fact.py");

richTextBox1.Text = reader.ReadToEnd();

}

else if (a == "Factorial Of A Number" && b == "Java")

{

TextReader reader = new StreamReader("factinja.txt");

richTextBox1.Text = reader.ReadToEnd();

}

else if (a == "Calculator" && b == "C")

{

TextReader reader = new StreamReader("calcinc.txt");

richTextBox1.Text = reader.ReadToEnd();

}

else if (a == "Calculator" && b == "C++")

{

TextReader reader = new StreamReader("calcincpp.txt");

richTextBox1.Text = reader.ReadToEnd();

}

else if (a == "Calculator" && b == "Python")

{

TextReader reader = new StreamReader("calc.py");

richTextBox1.Text = reader.ReadToEnd();

}

else if (a == "Calculator" && b == "Java")

{

TextReader reader = new StreamReader("calcinja.txt");

richTextBox1.Text = reader.ReadToEnd();

}

else if (a == "Banking System" && b == "C")

{

TextReader reader = new StreamReader("bankinc.txt");

richTextBox1.Text = reader.ReadToEnd();

}

else if (a == "Banking System" && b == "C++")

{

TextReader reader = new StreamReader("bankincpp.txt");

richTextBox1.Text = reader.ReadToEnd();

}

else if (a == "Banking System" && b == "Python")

{

TextReader reader = new StreamReader("bank.py");

richTextBox1.Text = reader.ReadToEnd();

}

else if (a == "Banking System" && b == "Java")

{

TextReader reader = new StreamReader("bankinja.txt");

richTextBox1.Text = reader.ReadToEnd();

}

else if (a == "Linked List" && b == "C")

{

TextReader reader = new StreamReader("llinc.txt");

richTextBox1.Text = reader.ReadToEnd();

}

else if (a == "Linked List" && b == "C++")

{

TextReader reader = new StreamReader("llincpp.txt");

richTextBox1.Text = reader.ReadToEnd();

}

else if (a == "Linked List" && b == "Python")

{

TextReader reader = new StreamReader("list.py");

richTextBox1.Text = reader.ReadToEnd();

}

else if (a == "Linked List" && b == "Java")

{

TextReader reader = new StreamReader("llinja.txt");

richTextBox1.Text = reader.ReadToEnd();

}

}

catch(Exception ex)

{

MessageBox.Show(ex.Message, "Error", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

}

private void Button4\_Click(object sender, EventArgs e)

{

string a, b;

if (comboBox1.Text.Equals(""))

{

MessageBox.Show("Please Enter The Title", "Error", MessageBoxButtons.OK, MessageBoxIcon.Error);

comboBox1.Focus();

return;

}

if (comboBox2.Text.Equals(""))

{

MessageBox.Show("Please Enter The Language", "Error", MessageBoxButtons.OK, MessageBoxIcon.Error);

comboBox2.Focus();

return;

}

try

{

a = comboBox1.SelectedItem.ToString();

b = comboBox2.SelectedItem.ToString();

if (a == "Fibonacci Series" && b == "C")

{

Process.Start("fibinc.exe");

}

else if (a == "Fibonacci Series" && b == "C++")

{

Process.Start("fibincpp.exe");

}

else if (a == "Fibonacci Series" && b == "Python")

{

Process.Start("fibo.py");

}

else if (a == "Factorial Of A Number" && b == "C")

{

Process.Start("factinc.exe");

}

else if (a == "Factorial Of A Number" && b == "C++")

{

Process.Start("factincpp.exe");

}

else if (a == "Factorial Of A Number" && b == "Python")

{

Process.Start("fact.py");

}

else if (a == "Calculator" && b == "C")

{

Process.Start("calcinc.exe");

}

else if (a == "Calculator" && b == "C++")

{

Process.Start("calcincpp.exe");

}

else if (a == "Calculator" && b == "Python")

{

Process.Start("calc.py");

}

else if (a == "Banking System" && b == "C")

{

Process.Start("bankinc.exe");

}

else if (a == "Banking System" && b == "Python")

{

Process.Start("bank.py");

}

else if (a == "Linked List" && b == "C")

{

Process.Start("llinc.exe");

}

else if (a == "Linked List" && b == "C++")

{

Process.Start("llincpp.exe");

}

else if (a == "Linked List" && b == "Python")

{

Process.Start("list.py");

}

}

catch (Exception ex)

{

MessageBox.Show(ex.Message, "Error", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

}

private void Label2\_Click(object sender, EventArgs e)

{

}

private void Label3\_Click(object sender, EventArgs e)

{

}

private void ComboBox2\_SelectedIndexChanged(object sender, EventArgs e)

{

if (comboBox2.Text == "Java")

button4.Enabled = false;

else

button4.Enabled = true;

}

private void ComboBox1\_SelectedIndexChanged(object sender, EventArgs e)

{

}

private void RichTextBox1\_TextChanged(object sender, EventArgs e)

{

}

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

{

}

private void PictureBox1\_Click(object sender, EventArgs e)

{

}

private void Label5\_Click(object sender, EventArgs e)

{

}

}

}