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.Threading;

using System.Runtime.InteropServices;

using FireSharp.Config;

using FireSharp.Response;

using FireSharp.Interfaces;

namespace GatewayExpress

{

public partial class Form1 : Form

{

Thread th; //declaration of thread as th

[DllImport("Gdi32.dll", EntryPoint = "CreateRoundRectRgn")]

private static extern IntPtr CreateRoundRectRgn

(

int nLeftRect, // x-coordinate of upper-left corner

int nTopRect, // y-coordinate of upper-left corner

int nRightRect, // x-coordinate of lower-right corner

int nBottomRect, // y-coordinate of lower-right corner

int nWidthEllipse, // height of ellipse

int nHeightEllipse // width of ellipse

);

public Form1()

{

InitializeComponent();

panel1.Region = Region.FromHrgn(CreateRoundRectRgn(0, 0, panel1.Width, panel1.Height, 25, 25));

btnLogin.Region = Region.FromHrgn(CreateRoundRectRgn(0, 0, btnLogin.Width, btnLogin.Height, 50, 50));

}

IFirebaseConfig ifc = new FirebaseConfig()

{

AuthSecret = "P2k1udVSBnRvxFKNk1Ve5OVZo8A4x90jWAEFXqYH",

BasePath = "https://lancaster-new-city-default-rtdb.firebaseio.com/"

};

IFirebaseClient client;

private void Form1\_Load(object sender, EventArgs e)

{

try

{

client = new FireSharp.FirebaseClient(ifc);

}

catch

{

MessageBox.Show("No Internet or Connection Problem");

}

}

private void txtUsername\_Enter(object sender, EventArgs e)

{

if (txtUsername.Text == "Username")

{

txtUsername.Text = null;

txtUsername.ForeColor = Color.Black;

}

}

private void txtUsername\_Leave(object sender, EventArgs e)

{

if (txtUsername.Text == "")

{

txtUsername.Text = "Username";

txtUsername.ForeColor = Color.DarkGray;

}

}

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

{

if (txtPassword.Text == "Password")

{

txtPassword.Text = null;

txtPassword.ForeColor = Color.Black;

txtPassword.UseSystemPasswordChar = true;

}

}

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

{

if (txtPassword.Text == "")

{

txtPassword.Text = "Password";

txtPassword.ForeColor = Color.DarkGray;

txtPassword.UseSystemPasswordChar = false;

}

}

private async void btnLogin\_Click(object sender, EventArgs e)

{

try

{

#region Condition

if (txtUsername.Text == "Username")

{

txtUsername.Text = null;

}

if (txtPassword.Text == "Password")

{

txtPassword.Text = null;

}

if (string.IsNullOrWhiteSpace(txtUsername.Text) ||

string.IsNullOrWhiteSpace(txtPassword.Text))

{

MessageBox.Show("Please Fill All The Fields");

txtUsername.Text = "Username";

txtPassword.Text = "Password";

txtUsername.ForeColor = Color.DarkGray;

txtPassword.ForeColor = Color.DarkGray;

return;

}

#endregion

var result1 = client.Get("ADMIN\_USER");

MyUser std = result1.ResultAs<MyUser>();

int idCounter = int.Parse(std.ADMIN\_COUNTER);

for (int i = 1; i <= idCounter; i++)

{

FirebaseResponse res = client.Get(@"ADMIN\_ACCOUNT/" + i.ToString());

MyUser ResUser = res.ResultAs<MyUser>();//database result

MyUser CurUser = new MyUser() //USER GIVEN INFO

{

USERNAME = txtUsername.Text,

PASSWORD = txtPassword.Text

};

//MessageBox.Show(MyUser.CurUser.ToString());

if (MyUser.IsEqual(ResUser, CurUser))

{

this.Close(); //command for closing the application

th = new Thread(openSplashScreen); //creating thread

th.SetApartmentState(ApartmentState.STA); //setting thread as STA

th.Start(); //start the thread

}

}

MyUser.ShowError();

}

catch (Exception ex)

{

MessageBox.Show(ex.Message);

}

}

private void opennewDashboard(object obj)

{

Application.Run(new Dashboard()); //Run Dashboard

}

private void openSplashScreen(object obj)

{

Application.Run(new SplashScreen()); //Run Dashboard

}

private void btnSee\_MouseEnter(object sender, EventArgs e)

{

txtPassword.UseSystemPasswordChar = false;

}

private void btnSee\_MouseLeave(object sender, EventArgs e)

{

txtPassword.UseSystemPasswordChar = true;

}

private void Form1\_FormClosing(object sender, FormClosingEventArgs e)

{

}

private void txtUsername\_KeyDown(object sender, KeyEventArgs e)

{

if (e.KeyCode == Keys.Enter)

{

try

{

#region Condition

if (txtUsername.Text == "Username")

{

txtUsername.Text = null;

}

if (txtPassword.Text == "Password")

{

txtPassword.Text = null;

}

if (string.IsNullOrWhiteSpace(txtUsername.Text) ||

string.IsNullOrWhiteSpace(txtPassword.Text))

{

MessageBox.Show("Please Fill All The Fields");

txtUsername.Text = "";

txtPassword.Text = "Password";

txtUsername.ForeColor = Color.Black;

txtPassword.ForeColor = Color.DarkGray;

return;

}

#endregion

FirebaseResponse res = client.Get(@"ADMINISTRATOR/" + txtUsername.Text);

MyUser ResUser = res.ResultAs<MyUser>();//database result

MyUser CurUser = new MyUser() //USER GIVEN INFO

{

USERNAME = txtUsername.Text,

PASSWORD = txtPassword.Text

};

//MessageBox.Show(MyUser.USERNAME.ToString());

if (MyUser.IsEqual(ResUser, CurUser))

{

this.Close(); //command for closing the application

th = new Thread(openSplashScreen); //creating thread

th.SetApartmentState(ApartmentState.STA); //setting thread as STA

th.Start(); //start the thread

}

else

{

MyUser.ShowError();

}

}

catch (Exception ex)

{

MessageBox.Show(ex.Message);

}

}

}

private void txtPassword\_KeyDown(object sender, KeyEventArgs e)

{

if (e.KeyCode == Keys.Enter)

{

try

{

#region Condition

if (txtUsername.Text == "Username")

{

txtUsername.Text = null;

}

if (txtPassword.Text == "Password")

{

txtPassword.Text = null;

}

if (string.IsNullOrWhiteSpace(txtUsername.Text) ||

string.IsNullOrWhiteSpace(txtPassword.Text))

{

MessageBox.Show("Please Fill All The Fields");

txtUsername.Text = "Username";

txtPassword.Text = "";

txtUsername.ForeColor = Color.DarkGray;

txtPassword.ForeColor = Color.Black;

return;

}

#endregion

FirebaseResponse res = client.Get(@"ADMINISTRATOR/" + txtUsername.Text);

MyUser ResUser = res.ResultAs<MyUser>();//database result

MyUser CurUser = new MyUser() //USER GIVEN INFO

{

USERNAME = txtUsername.Text,

PASSWORD = txtPassword.Text

};

//MessageBox.Show(MyUser.USERNAME.ToString());

if (MyUser.IsEqual(ResUser, CurUser))

{

this.Close(); //command for closing the application

th = new Thread(openSplashScreen); //creating thread

th.SetApartmentState(ApartmentState.STA); //setting thread as STA

th.Start(); //start the thread

}

else

{

MyUser.ShowError();

}

}

catch (Exception ex)

{

MessageBox.Show(ex.Message);

}

}

}

}

}