using System;

using System.IO;

using System.Windows.Forms;

public partial class LoginForm : Form

{

private const string UserCredentialsFile = "UserCredentials.txt";

public LoginForm()

{

InitializeComponent();

// Populate the Qualification combo box

QualificationComboBox.Items.Add("High School");

QualificationComboBox.Items.Add("Bachelor's Degree");

QualificationComboBox.Items.Add("Master's Degree");

QualificationComboBox.Items.Add("Ph.D.");

}

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

{

string username = UsernameTextBox.Text;

string password = PasswordTextBox.Text;

string gender = GenderMaleRadioButton.Checked ? "Male" : "Female";

string qualification = QualificationComboBox.SelectedItem.ToString();

if (!string.IsNullOrEmpty(username) && !string.IsNullOrEmpty(password))

{

// Check if the username already exists

if (!IsUsernameTaken(username))

{

// Append the new user to the credentials file

using (StreamWriter sw = File.AppendText(UserCredentialsFile))

{

sw.WriteLine($"{username}:{password}:{gender}:{qualification}");

}

MessageBox.Show("Registration successful!");

}

else

{

MessageBox.Show("Username is already taken. Please choose a different one.");

}

}

else

{

MessageBox.Show("Please fill in all the required fields.");

}

}

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

{

string username = UsernameTextBox.Text;

string password = PasswordTextBox.Text;

if (!string.IsNullOrEmpty(username) && !string.IsNullOrEmpty(password))

{

// Check if the login credentials match an entry in the credentials file

if (IsLoginValid(username, password))

{

MessageBox.Show("Login successful!");

}

else

{

MessageBox.Show("Invalid username or password.");

}

}

else

{

MessageBox.Show("Please fill in both username and password.");

}

}

private bool IsUsernameTaken(string username)

{

return File.ReadLines(UserCredentialsFile).Any(line => line.Split(':')[0] == username);

}

private bool IsLoginValid(string username, string password)

{

return File.ReadLines(UserCredentialsFile).Any(line =>

{

string[] parts = line.Split(':');

return parts.Length == 4 && parts[0] == username && parts[1] == password;

});

}

}