<https://www.youtube.com/watch?v=XIAzmdBbvHY&t=318s>

Содержимое класса DLL

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Security.Cryptography;

namespace Password\_hashing\_library

{

public static class Password\_hashing

{

public static string Sha256(string randomString)

{

var crypt = new SHA256Managed();

var hash = new StringBuilder();

byte[] crypto = crypt.ComputeHash(Encoding.UTF8.GetBytes(randomString));

foreach (byte theByte in crypto)

{

hash.Append(theByte.ToString("x2"));

}

return hash.ToString();

}

}

}

Проект для тестирования DLL

CS

public partial class MainWindow : Window

{

public MainWindow()

{

InitializeComponent();

WindowStartupLocation = WindowStartupLocation.CenterScreen;

}

private void Test\_Click(object sender, RoutedEventArgs e)

{

if (string.IsNullOrEmpty(TBpass.Text))

MessageBox.Show("Ошибка! Заполните поле", "Ошибка", MessageBoxButton.OK, MessageBoxImage.Error);

else

TBresult.Text = Password\_hashing\_library.Password\_hashing.Sha256(TBpass.Text);

}

}

XAML

Title="MainWindow" Height="550" Width="1100">

<Grid>

<Grid.RowDefinitions>

<RowDefinition Height="\*"/>

<RowDefinition Height="3\*"/>

<RowDefinition Height="\*"/>

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<Label Content="Пароль" FontSize="24" FontFamily="Comic Sans MS" HorizontalAlignment="Center" VerticalAlignment="Center" Margin="0,0,0,100" Grid.Row="1"/>

<Label Content="Результат" FontSize="24" FontFamily="Comic Sans MS" HorizontalAlignment="Center" VerticalAlignment="Bottom" Margin="0,0,0,50" Grid.Row="1"/>

<TextBox x:Name="TBpass" Height="40" FontSize="24" FontFamily="Comic Sans MS" VerticalAlignment="Center" Grid.Row="1"/>

<TextBlock x:Name="TBresult" Height="40" FontSize="24" FontFamily="Comic Sans MS" VerticalAlignment="Bottom" Grid.Row="1"/>

<Button Content="Выполнить" FontSize="24" FontFamily="Comic Sans MS" HorizontalAlignment="Center" VerticalAlignment="Center" Background="White" Grid.Row="2" Click="Test\_Click"/>

</Grid>