using System;

using System.Drawing;

using System.IO;

using System.Linq;

using System.Security.Cryptography;

using System.Windows.Forms;

namespace SimpleAV

{

public partial class Form1 : Form

{

public Form1()

{

InitializeComponent();

}

public string GetMD5FromFile(string filenPath)

{

using (var md5 = MD5.Create())

{

using (var stream = File.OpenRead(filenPath))

{

return BitConverter.ToString(md5.ComputeHash(stream)).Replace("-", string.Empty).ToLower();

}

}

}

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

{

var md5signatures = File.ReadAllLines("MD5base.txt");

if (md5signatures.Contains(tbMD5.Text))

{

lblStatus.Text = "Infected!";

lblStatus.ForeColor = Color.Red;

}

else

{

lblStatus.Text = "Clean!";

lblStatus.ForeColor = Color.Green;

}

}

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

{

OpenFileDialog ofd = new OpenFileDialog();

ofd.Filter = "Textfiles | \*.txt";

if (ofd.ShowDialog() == DialogResult.OK)

{

tbMD5.Text = GetMD5FromFile(ofd.FileName);

}

}

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

{

Application.Exit();

}

}

}