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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.Security.Cryptography;
using System.IO;

namespace E_Günce
{
    public partial class egunce : Form
    {
        public egunce()
        {
            InitializeComponent();
        }

        private void sifreleFunc(string kaynak, string hedef, string anahtar)
        {
            AesManaged AES = new AesManaged();
            using (MD5CryptoServiceProvider MD5 = new MD5CryptoServiceProvider())
            {
                AES.KeySize = MD5.HashSize;
                AES.BlockSize = MD5.HashSize;
                AES.IV = MD5.ComputeHash(ASCIIEncoding.ASCII.GetBytes(anahtar));
                AES.Key = MD5.ComputeHash(ASCIIEncoding.ASCII.GetBytes(anahtar));
            }
            using (FileStream reader = new FileStream(kaynak, FileMode.Open,
FileAccess.Read))
            {
                using (FileStream writer = new FileStream(hedef, FileMode.OpenOrCreate,
FileAccess.Write))
                {
                    using (CryptoStream cs = new CryptoStream(writer,
AES.CreateEncryptor(), CryptoStreamMode.Write))
                    {
                        int bufferSize = 4096;
                        byte[] buffer = new byte[bufferSize];
                        int bytesRead;
                        do
                        {
                            bytesRead = reader.Read(buffer, 0, bufferSize);
                            if (bytesRead != 0)
                            {
                                cs.Write(buffer, 0, bytesRead);
                            }
                        }
                        while (bytesRead != 0);
                        cs.FlushFinalBlock();
                    }
                }
            }
        }
    }
}

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private void sifrecozFunc(string kaynak, string hedef, string anahtar)
{
    AesManaged AES = new AesManaged();
    using (MD5CryptoServiceProvider MD5 = new MD5CryptoServiceProvider())
    {
        AES.KeySize = MD5.HashSize; // 128 bit
        AES.BlockSize = MD5.HashSize; // 128 bit
        AES.IV = MD5.ComputeHash(ASCIIEncoding.ASCII.GetBytes(anahtar));
        AES.Key = MD5.ComputeHash(ASCIIEncoding.ASCII.GetBytes(anahtar));
    }
    using (FileStream reader = new FileStream(kaynak, FileMode.Open,
    FileAccess.Read))
    {
        using (FileStream writer = new FileStream(hedef, FileMode.OpenOrCreate,
    FileAccess.Write))
        {
            using (CryptoStream cs = new CryptoStream(reader,
    AES.CreateDecryptor(), CryptoStreamMode.Read))
            {
                int bufferSize = 4096;
                byte[] buffer = new byte[bufferSize];
                int bytesRead;
                do
                {
                    bytesRead = cs.Read(buffer, 0, bufferSize);
                    if (bytesRead != 0)
                    {
                        writer.Write(buffer, 0, bytesRead);
                    }
                }
                while (bytesRead != 0);
            }
        }
    }
}

private void egunce_Load(object sender, EventArgs e)
{
    string date = DateTime.Now.ToString("dd.MM.yyyy");
    this.Text = "E-Günce (Tarih: "+date+" )";
    sifrecozMetin.ReadOnly = true;
}

private void sifreleKaydet_Click(object sender, EventArgs e)
{
    DialogResult result = folderBrowserDialog1.ShowDialog();
    if (result == DialogResult.OK)
    {
        sifreleKonum.Text = folderBrowserDialog1.SelectedPath;
    }
}

private void ac_Click(object sender, EventArgs e)
{
    OpenFileDialog dosyaac = new OpenFileDialog();
    if (dosyaac.ShowDialog() == DialogResult.OK)

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        {
            sifrecozKonum.Text = dosyaac.FileName;
        }
    }

    private void sifrele_Click(object sender, EventArgs e)
    {
        if (sifreleAnahtar.Text != "" && sifreleMetin.Text != "" && sifreleKonum.Text
!= "")
        {
            try
            {
                string tarih = DateTime.Now.ToString("ddMMyyyyHHmmss");
                string temp = System.IO.Path.GetTempPath();
                string tempAdres = temp + tarih;
                string tarihMetin = DateTime.Now.ToString("dd.MM.yyyy");
                string kullanıcı =
System.Security.Principal.WindowsIdentity.GetCurrent().Name;
                File.WriteAllText(tempAdres, "Tarih:" + tarihMetin + "\r\n\r\n" +
"Yazan:" + kullanıcı + "\r\n\r\n" + "Metin:" + sifreleMetin.Text);
                sifreleFunc(tempAdres, sifreleKonum.Text + "/" + tarih,
sifreleAnahtar.Text);
                File.Delete(tempAdres);
                string kisatarih = DateTime.Now.ToString("dd.MM.yyyy") + " " +
DateTime.Now.ToString("hh.mm.ss");
                MessageBox.Show(kisatarih + " tarihine ait günlük kaydı oluşturuldu.");
                sifreleMetin.Text = ""; sifreleAnahtar.Text = "";

            }
            catch
            {
                MessageBox.Show("Bir sorun oluştu.");
            }
        }
        else
        {
            MessageBox.Show("Tüm alanları doldurun.");
        }
    }

    private void sifrecoz_Click(object sender, EventArgs e)
    {
        if (sifrecozAnahtar.Text != "" && sifrecozKonum.Text != "")
        {
            try
            {
                string tarih = DateTime.Now.ToString("ddMMyyyyHHmmss");
                string temp = System.IO.Path.GetTempPath();
                string tempAdres = temp + tarih + ".GUNCE";
                sifrecozFunc(sifrecozKonum.Text, tempAdres, sifrecozAnahtar.Text);
                sifrecozMetin.Text = File.ReadAllText(tempAdres);
                MessageBox.Show("Dosyanın şifresi çözüldü.");
                File.Delete(@tempAdres);
            }
            catch

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        {
            MessageBox.Show("Bir sorun oluştu.");
        }
    }
    else
    {
        MessageBox.Show("Tüm alanları doldurun.");
    }
}

private void temizle1_Click(object sender, EventArgs e)
{
    sifreleAnahtar.Text = "";
    sifreleMetin.Text = "";
    sifreleKonum.Text = "";
}

private void temizle2_Click(object sender, EventArgs e)
{
    sifrecozAnahtar.Text = "";
    sifrecozKonum.Text = "";
    sifrecozMetin.Text = "";
}
}
```