

C Sharp Yardimci Metotlar

Tarih, Sayi, Metin, Sifreleme gibi konularda faydali olacak metotlar içeren bir Windows Form Uygulamasi

Table of Contents

Symbol Reference	1
CSharpHelperMethods Namespace	1
CSharpHelperMethods.Properties Namespace	1
Classes	1
Resources Class	1
Settings Class	3
Classes	4
FrmAnaSayfa Class	4
FrmAnaSayfa.FrmAnaSayfa Constructor	6
FrmAnaSayfa Fields	6
FrmAnaSayfa Methods	15
Program Class	35
Program Methods	36
CSharpHelperMethodsLibrary Namespace	36
Classes	36
DataTableIslemleri Class	37
DataTableIslemleri Methods	37
Dosyaislemleri Class	40
Dosyaislemleri Methods	40
Kisilislemleri Class	43
Kisilislemleri Methods	43
Metinislemleri Class	45
Metinislemleri Methods	46
Sabitler Class	52
Sabitler Fields	53
Sayilislemleri Class	55
Sayilislemleri Methods	55
Sifrelemelislemleri Class	58
Sifrelemelislemleri Methods	58
Siralamaislemleri Class	61
Siralamaislemleri Enumerations	61
Siralamaislemleri Methods	61
TarihIslemleri Class	63
TarihIslemleri Methods	64
Files	68
AssemblyInfo.cs	68

CSharpHelperMethods.csproj	69
CSharpHelperMethods.sln	69
CSharpHelperMethodsLibrary.csproj	69
DataTableIslemleri.cs	69
DosyaIslemleri.cs	71
FrmAnaSayfa.cs	74
FrmAnaSayfa.Designer.cs	83
KisiIslemleri.cs	96
MetinIslemleri.cs	97
Program.cs	101
Resources.Designer.cs	102
Sabitler.cs	103
SayıIslemleri.cs	104
Settings.Designer.cs	106
SifrelemeIslemleri.cs	107
SiralamaIslemleri.cs	109
TarihIslemleri.cs	110

Index

a

1 Symbol Reference



1.1 CSharpHelperMethods Namespace

This is namespace CSharpHelperMethods.

Namespaces

Name	Description
Properties (see page 1)	This is namespace CSharpHelperMethods.Properties.



Classes

	Name	Description
	FrmAnaSayfa (see page 4)	This is class CSharpHelperMethods.FrmAnaSayfa.
	Program (see page 35)	This is class CSharpHelperMethods.Program.

1.1.1 CSharpHelperMethods.Properties Namespace

This is namespace CSharpHelperMethods.Properties.



Classes

	Name	Description
	Resources (see page 1)	A strongly-typed resource class, for looking up localized strings, etc.
	Settings (see page 3)	This is class CSharpHelperMethods.Properties.Settings.

1.1.1.1 Classes

The following table lists classes in this documentation.

Classes

	Name	Description
	Resources (see page 1)	A strongly-typed resource class, for looking up localized strings, etc.
	Settings (see page 3)	This is class CSharpHelperMethods.Properties.Settings.

1.1.1.1.1 Resources Class

A strongly-typed resource class, for looking up localized strings, etc.

Class Hierarchy

CSharpHelperMethods.Properties.Resources

C#

```
[global::System.CodeDom.Compiler.GeneratedCodeAttribute("System.Resources.Tools.StronglyTypedResourceBuilder",
"4.0.0.0")]
[global::System.Diagnostics.DebuggerNonUserCodeAttribute()]
[global::System.Runtime.CompilerServices.CompilerGeneratedAttribute()]
internal class Resources;
```


File

Resources.Designer.cs ([see page 102](#))



Description

This class was auto-generated by the StronglyTypedResourceBuilder class via a tool like ResGen or Visual Studio. To add or remove a member, edit your .ResX file then rerun ResGen with the /str option, or rebuild your VS project.



Methods

	Name	Description
	Resources (see page 2)	This is Resources, a member of class Resources.

Resources Fields

	Name	Description
	resourceCulture (see page 2)	This is resourceCulture, a member of class Resources.
	resourceMan (see page 3)	This is resourceMan, a member of class Resources.

Resources Properties

	Name	Description
	Culture (see page 3)	Overrides the current thread's CurrentUICulture property for all resource lookups using this strongly typed resource class.
	ResourceManager (see page 3)	Returns the cached ResourceManager instance used by this class.

1.1.1.1.1.1 Resources.Resources Constructor**C#**

```
[global::System.Diagnostics.CodeAnalysis.SuppressMessageAttribute("Microsoft.Performance",
"CA1811:AvoidUncalledPrivateCode")]
internal Resources();
```

Description

This is Resources, a member of class Resources.

Body Source

```
1:
[global::System.Diagnostics.CodeAnalysis.SuppressMessageAttribute("Microsoft.Performance",
"CA1811:AvoidUncalledPrivateCode")]
2: internal Resources()
3: {
4: }
```

1.1.1.1.1.2 Resources Fields**1.1.1.1.1.2.1 Resources.resourceCulture Field****C#**

```
private static global::System.Globalization.CultureInfo resourceCulture;
```

Description

This is resourceCulture, a member of class Resources.

1.1.1.1.2.2 Resources.resourceMan Field

C#

```
private static global::System.Resources.ResourceManager resourceMan;
```

Description

This is resourceMan, a member of class Resources.

1.1.1.1.3 Resources Properties

1.1.1.1.3.1 Resources.Culture Property

Overrides the current thread's CurrentUICulture property for all resource lookups using this strongly typed resource class.

C#

```
[global::System.ComponentModel.EditorBrowsableAttribute(global::System.ComponentModel.EditorBrowsableState.Advanced)]  
internal static global::System.Globalization.CultureInfo Culture;
```

1.1.1.1.3.2 Resources.ResourceManager Property

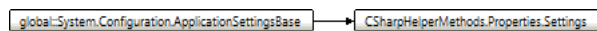
Returns the cached ResourceManager instance used by this class.

C#

```
[global::System.ComponentModel.EditorBrowsableAttribute(global::System.ComponentModel.EditorBrowsableState.Advanced)]  
internal static global::System.Resources.ResourceManager ResourceManager;
```

1.1.1.1.2 Settings Class

Class Hierarchy



C#

```
[global::System.Runtime.CompilerServices.CompilerGeneratedAttribute()]  
[global::System.CodeDom.Compiler.GeneratedCodeAttribute("Microsoft.VisualStudio.Editors.SettingsDesigner.SettingsSingleFileGenerator",  
"11.0.0.0")]  
internal sealed class Settings : global::System.Configuration.ApplicationSettingsBase;
```

File

Settings.Designer.cs ([see page 106](#))

Description

This is class CSharpHelperMethods.Properties.Settings.

Settings Fields

	Name	Description
	defaultInstance (see page 4)	This is defaultInstance, a member of class Settings.

Settings Properties

	Name	Description
	Default (see page 4)	This is Default, a member of class Settings.

1.1.1.1.2.1 Settings Fields

1.1.1.1.2.1.1 Settings.defaultInstance Field

C#

```
private static Settings defaultInstance =
((Settings)(global::System.Configuration.ApplicationSettingsBase.Synchronized(new
Settings())));
```

Description

This is defaultInstance, a member of class Settings.

1.1.1.1.2.2 Settings Properties

1.1.1.1.2.2.1 Settings.Default Property

C#

```
public static Settings Default;
```



Description

This is Default, a member of class Settings.

1.1.2 Classes

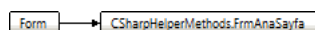
The following table lists classes in this documentation.

Classes

	Name	Description
	FrmAnaSayfa (see page 4)	This is class CSharpHelperMethods.FrmAnaSayfa.
	Program (see page 35)	This is class CSharpHelperMethods.Program.

1.1.2.1 FrmAnaSayfa Class

Class Hierarchy



C#

```
public class FrmAnaSayfa : Form;
```


File

FrmAnaSayfa.Designer.cs ([see page 83](#))

Description

This is class CSharpHelperMethods.FrmAnaSayfa.













Methods

	Name	Description
	FrmAnaSayfa (see page 6)	This is FrmAnaSayfa, a member of class FrmAnaSayfa.





FrmAnaSayfa Fields

	Name	Description
	btnAyFarki (see page 6)	This is btnAyFarki, a member of class FrmAnaSayfa.

	btnEPostaDogrula (see page 7)	This is btnEPostaDogrula, a member of class FrmAnaSayfa.
	btnEPostaKontrol (see page 7)	This is btnEPostaKontrol, a member of class FrmAnaSayfa.
	btnIbanDogrula (see page 7)	This is btnIbanDogrula, a member of class FrmAnaSayfa.
	btnIlkHarfiBuyukYap (see page 7)	This is btnIlkHarfiBuyukYap, a member of class FrmAnaSayfa.
	btnIlkHarfleriBuyukYap (see page 7)	This is btnIlkHarfleriBuyukYap, a member of class FrmAnaSayfa.
	btnMd5Hash (see page 7)	This is btnMd5Hash, a member of class FrmAnaSayfa.
	btnMetinSifrele (see page 7)	This is btnMetinSifrele, a member of class FrmAnaSayfa.
	btnMetneDonustur (see page 8)	This is btnMetneDonustur, a member of class FrmAnaSayfa.
	btnOnayKoduOlustur (see page 8)	This is btnOnayKoduOlustur, a member of class FrmAnaSayfa.
	btnRastgeleSifreUret (see page 8)	This is btnRastgeleSifreUret, a member of class FrmAnaSayfa.
	btnSayisalMi (see page 8)	This is btnSayisalMi, a member of class FrmAnaSayfa.
	btnSha256Hash (see page 8)	This is btnSha256Hash, a member of class FrmAnaSayfa.
	btnSha512Hash (see page 8)	This is btnSha512Hash, a member of class FrmAnaSayfa.
	btnSifreUygunMu (see page 9)	This is btnSifreUygunMu, a member of class FrmAnaSayfa.
	btnTarihAraligi (see page 9)	This is btnTarihAraligi, a member of class FrmAnaSayfa.
	btnTcKimlikDogrula (see page 9)	This is btnTcKimlikDogrula, a member of class FrmAnaSayfa.
	btnTelefonNoDuzenle (see page 9)	This is btnTelefonNoDuzenle, a member of class FrmAnaSayfa.
	btnTurkceKarakterDuzelt (see page 9)	This is btnTurkceKarakterDuzelt, a member of class FrmAnaSayfa.
	btnYasHesapla (see page 9)	This is btnYasHesapla, a member of class FrmAnaSayfa.
	btnYasHesaplaMetinsel (see page 9)	This is btnYasHesaplaMetinsel, a member of class FrmAnaSayfa.
	cmbIstemTuru (see page 10)	This is cmbIstemTuru, a member of class FrmAnaSayfa.
	components (see page 10)	Required designer variable.
	dtpBaslangicTarihi (see page 10)	This is dtpBaslangicTarihi, a member of class FrmAnaSayfa.
	dtpBitisTarihi (see page 10)	This is dtpBitisTarihi, a member of class FrmAnaSayfa.
	label1 (see page 10)	This is label1, a member of class FrmAnaSayfa.
	label10 (see page 10)	This is label10, a member of class FrmAnaSayfa.
	label11 (see page 10)	This is label11, a member of class FrmAnaSayfa.
	label12 (see page 11)	This is label12, a member of class FrmAnaSayfa.
	label13 (see page 11)	This is label13, a member of class FrmAnaSayfa.
	label14 (see page 11)	This is label14, a member of class FrmAnaSayfa.
	label15 (see page 11)	This is label15, a member of class FrmAnaSayfa.
	label16 (see page 11)	This is label16, a member of class FrmAnaSayfa.
	label17 (see page 11)	This is label17, a member of class FrmAnaSayfa.
	label2 (see page 12)	This is label2, a member of class FrmAnaSayfa.
	label3 (see page 12)	This is label3, a member of class FrmAnaSayfa.
	label4 (see page 12)	This is label4, a member of class FrmAnaSayfa.
	label5 (see page 12)	This is label5, a member of class FrmAnaSayfa.
	label6 (see page 12)	This is label6, a member of class FrmAnaSayfa.
	label7 (see page 12)	This is label7, a member of class FrmAnaSayfa.
	label8 (see page 12)	This is label8, a member of class FrmAnaSayfa.
	label9 (see page 13)	This is label9, a member of class FrmAnaSayfa.
	lbKisiSonuc (see page 13)	This is lbKisiSonuc, a member of class FrmAnaSayfa.
	lbMetinSonuc (see page 13)	This is lbMetinSonuc, a member of class FrmAnaSayfa.

	lbSayiSonuc (see page 13)	This is lbSayiSonuc, a member of class FrmAnaSayfa.
	lbSifreSonuc (see page 13)	This is lbSifreSonuc, a member of class FrmAnaSayfa.
	lbSonuc (see page 13)	This is lbSonuc, a member of class FrmAnaSayfa.
	pnlKisilislemleri (see page 14)	This is pnlKisilislemleri, a member of class FrmAnaSayfa.
	pnlMetinIslemleri (see page 14)	This is pnlMetinIslemleri, a member of class FrmAnaSayfa.
	pnlSayiIslemleri (see page 14)	This is pnlSayiIslemleri, a member of class FrmAnaSayfa.
	pnlSifreIslemleri (see page 14)	This is pnlSifreIslemleri, a member of class FrmAnaSayfa.
	pnlTarihIslemleri (see page 14)	This is pnlTarihIslemleri, a member of class FrmAnaSayfa.
	txtKisiMetni (see page 14)	This is txtKisiMetni, a member of class FrmAnaSayfa.
	txtMetin (see page 14)	This is txtMetin, a member of class FrmAnaSayfa.
	txtSayi (see page 15)	This is txtSayi, a member of class FrmAnaSayfa.
	txtSifrelenecekMetin (see page 15)	This is txtSifrelenecekMetin, a member of class FrmAnaSayfa.

FrmAnaSayfa Methods

	Name	Description
	cmbIslemTuru_SelectedIndexChanged (see page 15)	Islem Türü Combobox'ında seçilen degere göre Ekrandaki panellerden ilgili olan haricinde hepsinin erisilemez hale getirilmesi Eger bir sey seçilmemisse, tamamının erisilemez hale getirilmesi için Gerekli islemlerin gerçekleştirildiği metottur.
	Dispose (see page 23)	Clean up any resources being used.
	FrmAnaSayfa_Load (see page 24)	Form İlk Yüklendiği zaman ekrandaki bütün panellerin erisilemez hale getirilmesi saglanıyor Bu metotta, çünkü hangi panelin aktifleseeceğinin Combobox üzerinden seçilmesi lazim
	InitializeComponent (see page 25)	Required method for Designer support - do not modify the contents of this method with the code editor.

1.1.2.1.1 FrmAnaSayfa.FrmAnaSayfa Constructor

C#

```
public FrmAnaSayfa();
```

Description

This is FrmAnaSayfa, a member of class FrmAnaSayfa.

Body Source

```
1: public FrmAnaSayfa()
2: {
3:     InitializeComponent();
4: }
```

1.1.2.1.2 FrmAnaSayfa Fields

1.1.2.1.2.1 FrmAnaSayfa.btnAyFarki Field

C#

```
private System.Windows.Forms.Button btnAyFarki;
```

Description

This is btnAyFarki, a member of class FrmAnaSayfa.

1.1.2.1.2.2 FrmAnaSayfa.btnEPostaDogrula Field

C#

```
private System.Windows.Forms.Button btnEPostaDogrula;
```

Description

This is btnEPostaDogrula, a member of class FrmAnaSayfa.

1.1.2.1.2.3 FrmAnaSayfa.btnEPostaKontrol Field

C#

```
private System.Windows.Forms.Button btnEPostaKontrol;
```

Description

This is btnEPostaKontrol, a member of class FrmAnaSayfa.

1.1.2.1.2.4 FrmAnaSayfa.btnIbanDogrula Field

C#

```
private System.Windows.Forms.Button btnIbanDogrula;
```

Description

This is btnIbanDogrula, a member of class FrmAnaSayfa.

1.1.2.1.2.5 FrmAnaSayfa.btnIlkHarfiBuyukYap Field

C#

```
private System.Windows.Forms.Button btnIlkHarfiBuyukYap;
```

Description

This is btnIlkHarfiBuyukYap, a member of class FrmAnaSayfa.

1.1.2.1.2.6 FrmAnaSayfa.btnIlkHarfleriBuyukYap Field

C#

```
private System.Windows.Forms.Button btnIlkHarfleriBuyukYap;
```

Description

This is btnIlkHarfleriBuyukYap, a member of class FrmAnaSayfa.

1.1.2.1.2.7 FrmAnaSayfa.btnMd5Hash Field

C#

```
private System.Windows.Forms.Button btnMd5Hash;
```

Description

This is btnMd5Hash, a member of class FrmAnaSayfa.

1.1.2.1.2.8 FrmAnaSayfa.btnMetinSifrele Field

C#

```
private System.Windows.Forms.Button btnMetinSifrele;
```

Description

This is btnMetinSifrele, a member of class FrmAnaSayfa.

1.1.2.1.2.9 FrmAnaSayfa.btnMetneDonustur Field**C#**

```
private System.Windows.Forms.Button btnMetneDonustur ;
```

Description

This is btnMetneDonustur, a member of class FrmAnaSayfa.

1.1.2.1.2.10 FrmAnaSayfa.btnOnayKoduOlustur Field**C#**

```
private System.Windows.Forms.Button btnOnayKoduOlustur ;
```

Description

This is btnOnayKoduOlustur, a member of class FrmAnaSayfa.

1.1.2.1.2.11 FrmAnaSayfa.btnRastgeleSifreUret Field**C#**

```
private System.Windows.Forms.Button btnRastgeleSifreUret ;
```

Description

This is btnRastgeleSifreUret, a member of class FrmAnaSayfa.

1.1.2.1.2.12 FrmAnaSayfa.btnSayisalMi Field**C#**

```
private System.Windows.Forms.Button btnSayisalMi ;
```

Description

This is btnSayisalMi, a member of class FrmAnaSayfa.

1.1.2.1.2.13 FrmAnaSayfa.btnSha256Hash Field**C#**

```
private System.Windows.Forms.Button btnSha256Hash ;
```

Description

This is btnSha256Hash, a member of class FrmAnaSayfa.

1.1.2.1.2.14 FrmAnaSayfa.btnSha512Hash Field**C#**

```
private System.Windows.Forms.Button btnSha512Hash ;
```

Description

This is btnSha512Hash, a member of class FrmAnaSayfa.

1.1.2.1.2.15 FrmAnaSayfa.btnSifreUygunMu Field

C#

```
private System.Windows.Forms.Button btnSifreUygunMu;
```

Description

This is btnSifreUygunMu, a member of class FrmAnaSayfa.

1.1.2.1.2.16 FrmAnaSayfa.btnTarihAraligi Field

C#

```
private System.Windows.Forms.Button btnTarihAraligi;
```

Description

This is btnTarihAraligi, a member of class FrmAnaSayfa.

1.1.2.1.2.17 FrmAnaSayfa.btnTcKimlikDogrula Field

C#

```
private System.Windows.Forms.Button btnTcKimlikDogrula;
```

Description

This is btnTcKimlikDogrula, a member of class FrmAnaSayfa.

1.1.2.1.2.18 FrmAnaSayfa.btnTelefonNoDuzenle Field

C#

```
private System.Windows.Forms.Button btnTelefonNoDuzenle;
```

Description

This is btnTelefonNoDuzenle, a member of class FrmAnaSayfa.

1.1.2.1.2.19 FrmAnaSayfa.btnTurkceKarakterDuzelt Field

C#

```
private System.Windows.Forms.Button btnTurkceKarakterDuzelt;
```

Description

This is btnTurkceKarakterDuzelt, a member of class FrmAnaSayfa.

1.1.2.1.2.20 FrmAnaSayfa.btnYasHesapla Field

C#

```
private System.Windows.Forms.Button btnYasHesapla;
```

Description

This is btnYasHesapla, a member of class FrmAnaSayfa.

1.1.2.1.2.21 FrmAnaSayfa.btnYasHesaplaMetinsel Field

C#

```
private System.Windows.Forms.Button btnYasHesaplaMetinsel;
```

Description

This is btnYasHesaplaMetinsel, a member of class FrmAnaSayfa.

1.1.2.1.2.22 FrmAnaSayfa.cmbIslemTuru Field**C#**

```
private System.Windows.Forms.ComboBox cmbIslemTuru;
```

Description

This is cmbIslemTuru, a member of class FrmAnaSayfa.

1.1.2.1.2.23 FrmAnaSayfa.components Field

Required designer variable.

C#

```
private System.ComponentModel.IContainer components = null;
```

1.1.2.1.2.24 FrmAnaSayfa.dtpBaslangicTarihi Field**C#**

```
private System.Windows.Forms.DateTimePicker dtpBaslangicTarihi;
```

Description

This is dtpBaslangicTarihi, a member of class FrmAnaSayfa.

1.1.2.1.2.25 FrmAnaSayfa.dtpBitisTarihi Field**C#**

```
private System.Windows.Forms.DateTimePicker dtpBitisTarihi;
```

Description

This is dtpBitisTarihi, a member of class FrmAnaSayfa.

1.1.2.1.2.26 FrmAnaSayfa.label1 Field**C#**

```
private System.Windows.Forms.Label label1;
```

Description

This is label1, a member of class FrmAnaSayfa.

1.1.2.1.2.27 FrmAnaSayfa.label10 Field**C#**

```
private System.Windows.Forms.Label label10;
```

Description

This is label10, a member of class FrmAnaSayfa.

1.1.2.1.2.28 FrmAnaSayfa.label11 Field**C#**

```
private System.Windows.Forms.Label label11;
```

Description

This is label11, a member of class FrmAnaSayfa.

1.1.2.1.2.29 FrmAnaSayfa.label12 Field**C#**

```
private System.Windows.Forms.Label label12;
```

Description

This is label12, a member of class FrmAnaSayfa.

1.1.2.1.2.30 FrmAnaSayfa.label13 Field**C#**

```
private System.Windows.Forms.Label label13;
```

Description

This is label13, a member of class FrmAnaSayfa.

1.1.2.1.2.31 FrmAnaSayfa.label14 Field**C#**

```
private System.Windows.Forms.Label label14;
```

Description

This is label14, a member of class FrmAnaSayfa.

1.1.2.1.2.32 FrmAnaSayfa.label15 Field**C#**

```
private System.Windows.Forms.Label label15;
```

Description

This is label15, a member of class FrmAnaSayfa.

1.1.2.1.2.33 FrmAnaSayfa.label16 Field**C#**

```
private System.Windows.Forms.Label label16;
```

Description

This is label16, a member of class FrmAnaSayfa.

1.1.2.1.2.34 FrmAnaSayfa.label17 Field**C#**

```
private System.Windows.Forms.Label label17;
```

Description

This is label17, a member of class FrmAnaSayfa.

1.1.2.1.2.35 FrmAnaSayfa.label2 Field

C#

```
private System.Windows.Forms.Label label2;
```

Description

This is label2, a member of class FrmAnaSayfa.

1.1.2.1.2.36 FrmAnaSayfa.label3 Field

C#

```
private System.Windows.Forms.Label label3;
```

Description

This is label3, a member of class FrmAnaSayfa.

1.1.2.1.2.37 FrmAnaSayfa.label4 Field

C#

```
private System.Windows.Forms.Label label4;
```

Description

This is label4, a member of class FrmAnaSayfa.

1.1.2.1.2.38 FrmAnaSayfa.label5 Field

C#

```
private System.Windows.Forms.Label label5;
```

Description

This is label5, a member of class FrmAnaSayfa.

1.1.2.1.2.39 FrmAnaSayfa.label6 Field

C#

```
private System.Windows.Forms.Label label6;
```

Description

This is label6, a member of class FrmAnaSayfa.

1.1.2.1.2.40 FrmAnaSayfa.label7 Field

C#

```
private System.Windows.Forms.Label label7;
```

Description

This is label7, a member of class FrmAnaSayfa.

1.1.2.1.2.41 FrmAnaSayfa.label8 Field

C#

```
private System.Windows.Forms.Label label8;
```

Description

This is label8, a member of class FrmAnaSayfa.

1.1.2.1.2.42 FrmAnaSayfa.label9 Field**C#**

```
private System.Windows.Forms.Label label9;
```

Description

This is label9, a member of class FrmAnaSayfa.

1.1.2.1.2.43 FrmAnaSayfa.lbKisiSonuc Field**C#**

```
private System.Windows.Forms.ListBox lbKisiSonuc;
```

Description

This is lbKisiSonuc, a member of class FrmAnaSayfa.

1.1.2.1.2.44 FrmAnaSayfa.lbMetinSonuc Field**C#**

```
private System.Windows.Forms.ListBox lbMetinSonuc;
```

Description

This is lbMetinSonuc, a member of class FrmAnaSayfa.

1.1.2.1.2.45 FrmAnaSayfa.lbSayiSonuc Field**C#**

```
private System.Windows.Forms.ListBox lbSayiSonuc;
```

Description

This is lbSayiSonuc, a member of class FrmAnaSayfa.

1.1.2.1.2.46 FrmAnaSayfa.lbSifreSonuc Field**C#**

```
private System.Windows.Forms.ListBox lbSifreSonuc;
```

Description

This is lbSifreSonuc, a member of class FrmAnaSayfa.

1.1.2.1.2.47 FrmAnaSayfa.lbSonuc Field**C#**

```
private System.Windows.Forms.ListBox lbSonuc;
```

Description

This is lbSonuc, a member of class FrmAnaSayfa.

1.1.2.1.2.48 FrmAnaSayfa.pnlKisilslemleri Field

C#

```
private System.Windows.Forms.Panel pnlKisiIslemleri;
```

Description

This is pnlKisilslemleri, a member of class FrmAnaSayfa.

1.1.2.1.2.49 FrmAnaSayfa.pnlMetinIslemleri Field

C#

```
private System.Windows.Forms.Panel pnlMetinIslemleri;
```

Description

This is pnlMetinIslemleri, a member of class FrmAnaSayfa.

1.1.2.1.2.50 FrmAnaSayfa.pnlSayiIslemleri Field

C#

```
private System.Windows.Forms.Panel pnlSayiIslemleri;
```

Description

This is pnlSayiIslemleri, a member of class FrmAnaSayfa.

1.1.2.1.2.51 FrmAnaSayfa.pnlSifreIslemleri Field

C#

```
private System.Windows.Forms.Panel pnlSifreIslemleri;
```

Description

This is pnlSifreIslemleri, a member of class FrmAnaSayfa.

1.1.2.1.2.52 FrmAnaSayfa.pnlTarihIslemleri Field

C#

```
private System.Windows.Forms.Panel pnlTarihIslemleri;
```

Description

This is pnlTarihIslemleri, a member of class FrmAnaSayfa.

1.1.2.1.2.53 FrmAnaSayfa.txtKisiMetni Field

C#

```
private System.Windows.Forms.TextBox txtKisiMetni;
```

Description

This is txtKisiMetni, a member of class FrmAnaSayfa.

1.1.2.1.2.54 FrmAnaSayfa.txtMetin Field

C#

```
private System.Windows.Forms.TextBox txtMetin;
```

Description

This is txtMetin, a member of class FrmAnaSayfa.

1.1.2.1.2.55 FrmAnaSayfa.txtSayi Field**C#**

```
private System.Windows.Forms.TextBox txtSayi;
```

Description

This is txtSayi, a member of class FrmAnaSayfa.

1.1.2.1.2.56 FrmAnaSayfa.txtSifrelenecekMetin Field**C#**

```
private System.Windows.Forms.TextBox txtSifrelenecekMetin;
```

Description

This is txtSifrelenecekMetin, a member of class FrmAnaSayfa.

1.1.2.1.3 FrmAnaSayfa Methods**1.1.2.1.3.1 FrmAnaSayfa.cmbIslemTuru_SelectedIndexChanged Method**

Islem Türü Combobox'ında seçilen degere göre Ekrandaki panellerden ilgili olan haricinde hepsinin erisilemez hale getirilmesi Eger bir sey seçilmemisse, tamaminin erisilemez hale getirilmesi için Gerekli islemlerin gerçekleştirildiği metottur.

C#

```
private void cmbIslemTuru_SelectedIndexChanged(object sender, EventArgs e);
```

Parameters

Parameters	Description
object sender	The sender info (For example Main Form)
EventArgs e	Event Arguments

Body Source

```
1: private void cmbIslemTuru_SelectedIndexChanged(object sender, EventArgs e)
2:     {
3:         #region Combobox'tan Seçilen Degere Göre Ilgili Paneli Aktif Hale Getirme
4:         switch (cmbIslemTuru.SelectedIndex)
5:         {
6:             // Metin Islemleri
7:             case 0:
8:                 {
9:                     EkraniDuzenle("pnlMetinIslemleri");
10:                    break;
11:                }
12:             // Tarih Islemleri
13:             case 1:
14:                 {
15:                     EkraniDuzenle("pnlTarihIslemleri");
16:                    break;
17:                }
18:             // Sayi Islemleri
19:             case 2:
20:                 {
21:                     EkraniDuzenle("pnlSayiIslemleri");
22:                    break;

```

```

23:         }
24:         // Sifre Islemleri
25:         case 3:
26:         {
27:             EkraniDuzenle("pnlSifreIslemleri");
28:             break;
29:         }
30:         // Kisi Islemleri
31:         case 4:
32:         {
33:             EkraniDuzenle("pnlKisiIslemleri");
34:             break;
35:         }
36:         // Bunlar haricinde herhangi bir sey
37:         default:
38:         {
39:             EkraniDuzenle("Hicbiri");
40:             break;
41:         }
42:     }
43: #endregion
44: }
45:
46: /// <summary>
47: /// Parametre olarak verilen panelin aktif hale getirilmesi
48: /// Diger panellerin deaktif edilmesi için hazirlanmis metottur
49: /// </summary>
50: /// <param name="panelAdi">Panel Adi Bilgisi</param>
51: private void EkraniDuzenle(string panelAdi)
52: {
53:     foreach (Control c in Controls)
54:     {
55:         if (c.Name == panelAdi)
56:             c.Enabled = true;
57:         else if (c.Name.StartsWith("pnl"))
58:             c.Enabled = false;
59:     }
60: }
61:
62: /// <summary>
63: /// This method is used to measure the length of the item in listbox and make
it multi line
64: /// without using scrollbar and let the user see more efficiently
65: /// </summary>
66: /// <param name="sender">The sender info (For example Main Form)</param>
67: /// <param name="e">Event Arguments</param>
68: private static void listBox_MeasureItem(object sender, MeasureItemEventArgs e)
69: {
70:     if (!(sender is ListBox listBox)) return;
71:     e.ItemHeight = (int) e.Graphics
72:         .MeasureString(listBox.Items[e.Index].ToString(), listBox.Font,
listBox.Width).Height;
73: }
74:
75: /// <summary>
76: /// This method is used to measure the length of the item in listbox and make
it multi line
77: /// without using scrollbar and let the user see more efficiently
78: /// </summary>
79: /// <param name="sender">The sender info (For example Main Form)</param>
80: /// <param name="e">Event Arguments</param>
81: private static void listBox_DrawItem(object sender, DrawItemEventArgs e)
82: {
83:     if (!(sender is ListBox listBox)) return;
84:     e.DrawBackground();
85:     e.DrawFocusRectangle();
86:     e.Graphics.DrawString(listBox.Items[e.Index].ToString(), e.Font, new
SolidBrush(e.ForeColor), e.Bounds);
87: }

```

```

88:
89:     #endregion
90:
91:     #region Tarih Islemleri
92:
93:     /// <summary>
94:     /// Paneldeki Baslangic Tarihi seçili ve tarih girilmissse,
95:     /// o tarihten bugüne kaç yas oldugunun hesaplandigi metottur.
96:     /// Ilgili butona tiklandigi zaman çalisir
97:     /// </summary>
98:     /// <param name="sender">The sender info (For example Main Form)</param>
99:     /// <param name="e">Event Arguments</param>
100: private void btnYasHesapla_Click(object sender, EventArgs e)
101: {
102:     if (!dtpBaslangicTarihi.Checked)
103:         MessageBox.Show(Sabitler.BaslangicTarihiGirilmedi);
104:     else
105:     {
106:         lbSonuc.Items.Clear();
107:         var sb = new StringBuilder();
108:         sb.Append("Dogum tarihi seçilen kişi ");
109:         sb.Append(TarihIslemleri.YasHesapla(dtpBaslangicTarihi.Value));
110:         sb.Append(" yasinin içindedir");
111:         lbSonuc.Items.Add(sb.ToString());
112:     }
113: }
114:
115:     /// <summary>
116:     /// Paneldeki Baslangic Tarihi seçili ve tarih girilmissse,
117:     /// o tarihten bugüne kaç yas oldugunun yıl, ay ve gün
118:     /// olarak metinsel bir şekilde hesaplandigi metottur.
119:     /// Ilgili butona tiklandigi zaman çalisir
120:     /// </summary>
121:     /// <param name="sender">The sender info (For example Main Form)</param>
122:     /// <param name="e">Event Arguments</param>
123: private void btnYasHesaplaMetinsel_Click(object sender, EventArgs e)
124: {
125:     if (!dtpBaslangicTarihi.Checked)
126:         MessageBox.Show(Sabitler.BaslangicTarihiGirilmedi);
127:     else
128:     {
129:         lbSonuc.Items.Clear();
130:         var sb = new StringBuilder();
131:         sb.Append(TarihIslemleri.YasHesaplaMetinsel(dtpBaslangicTarihi.Value));
132:         lbSonuc.Items.Add(sb.ToString());
133:     }
134: }
135:
136:     /// <summary>
137:     /// Paneldeki Baslangic Tarihi ve Bitis Tarihi alanlari seçili ve tarih
girilmissse,
138:     /// Söz konusu tarihler arasında kaç yıl, kaç ay ve gün oldugunun bilgisinin
hazirlandigi metottur.
139:     /// Ilgili butona tiklandigi zaman çalisir
140:     /// </summary>
141:     /// <param name="sender">The sender info (For example Main Form)</param>
142:     /// <param name="e">Event Arguments</param>
143: private void btnTarihAraligi_Click(object sender, EventArgs e)
144: {
145:     if (!dtpBaslangicTarihi.Checked || !dtpBitisTarihi.Checked)
146:         MessageBox.Show(Sabitler.BaslangicVeyaBitisTarihiGirilmedi);
147:     else if (dtpBaslangicTarihi.Value.Date > dtpBitisTarihi.Value.Date)
148:         MessageBox.Show(Sabitler.BaslangicTarihiBuyuk);
149:     else
150:     {
151:         lbSonuc.Items.Clear();
152:         var sb = new StringBuilder();
153:         sb.Append("İki tarih arasi: ");
154:

```

```

sb.Append(TarihIslemleri.TarihAraligiHesapla(dtpBaslangicTarihi.Value.Date,
dtpBitisTarihi.Value.Date));
155:         lbSonuc.Items.Add(sb.ToString());
156:     }
157: }
158:
159:     /// <summary>
160:     /// Paneldeki Baslangiç Tarihi ve Bitis Tarihi alanlari seçili ve tarih
girilmisse,
161:     /// Söz konusu tarihler arasında kaç ay olduğunun bilgisinin hazırlandığı
metottur.
162:     /// Ilgili butona tiklandığı zaman çalışır
163:     /// </summary>
164:     /// <param name="sender">The sender info (For example Main Form)</param>
165:     /// <param name="e">Event Arguments</param>
166:     private void btnAyFarki_Click(object sender, EventArgs e)
167:     {
168:         if (!dtpBaslangicTarihi.Checked || !dtpBitisTarihi.Checked)
169:             MessageBox.Show(Sabitler.BaslangicVeyaBitisTarihiGirilmedi);
170:         else if (dtpBaslangicTarihi.Value.Date > dtpBitisTarihi.Value.Date)
171:             MessageBox.Show(Sabitler.BaslangicTarihiBuyuk);
172:         else
173:         {
174:             lbSonuc.Items.Clear();
175:             var sb = new StringBuilder();
176:             sb.Append("Ay Farki: ");
177:             sb.Append(TarihIslemleri.AyFarki(dtpBaslangicTarihi.Value.Date,
dtpBitisTarihi.Value.Date));
178:             lbSonuc.Items.Add(sb.ToString());
179:         }
180:     }
181: #endregion
182:
183: #region Sifre Islemleri
184:     /// <summary>
185:     /// Paneldeki metin kutusu dolu ise
186:     /// Girilen metnin MD5 algoritması ile sifrelenmiş halini
187:     /// Listbox üzerine yazdıran metottur.
188:     /// </summary>
189:     /// <param name="sender">The sender info (For example Main Form)</param>
190:     /// <param name="e">Event Arguments</param>
191:     private void btnMd5Hash_Click(object sender, EventArgs e)
192:     {
193:         if (string.IsNullOrEmpty(txtSifrelenecekMetin.Text.Trim()))
194:             MessageBox.Show(Sabitler.SifrelenecekMetinGirilmedi);
195:         else
196:         {
197:             lbSifreSonuc.Items.Clear();
198:             var sb = new StringBuilder();
199:             sb.Append("Girilen Metnin MD5 Karsiligi: ");
200:             sb.Append(SifrelemeIslemleri.HesaplaMD5(txtSifrelenecekMetin.Text.Trim()));
201:             lbSifreSonuc.Items.Add(sb.ToString());
202:         }
203:     }
204:
205:     /// <summary>
206:     /// Paneldeki metin kutusu dolu ise
207:     /// Girilen metnin SHA 256 algoritması ile sifrelenmiş halini
208:     /// Listbox üzerine yazdıran metottur.
209:     /// </summary>
210:     /// <param name="sender">The sender info (For example Main Form)</param>
211:     /// <param name="e">Event Arguments</param>
212:     private void btnSha256Hash_Click(object sender, EventArgs e)
213:     {
214:         if (string.IsNullOrEmpty(txtSifrelenecekMetin.Text.Trim()))
215:             MessageBox.Show(Sabitler.SifrelenecekMetinGirilmedi);
216:         else
217:         {

```

```

218:         lbSifreSonuc.Items.Clear();
219:         var sb = new StringBuilder();
220:         sb.Append("Girilen Metnin SHA 256 Karsiligi: ");
221:
222:         sb.Append(SifrelemeIslemleri.HesaplaSHA256(txtSifrelenecekMetin.Text.Trim()));
223:         lbSifreSonuc.Items.Add(sb.ToString());
224:     }
225:
226:     /// <summary>
227:     /// Paneldeki metin kutusu dolu ise
228:     /// Girilen metnin SHA 512 algoritmasi ile sifrelenmis halini
229:     /// Listbox üzerine yazdiran metottur.
230:     /// </summary>
231:     /// <param name="sender">The sender info (For example Main Form)</param>
232:     /// <param name="e">Event Arguments</param>
233:     private void btnSha512Hash_Click(object sender, EventArgs e)
234:     {
235:         if (string.IsNullOrEmpty(txtSifrelenecekMetin.Text.Trim()))
236:             MessageBox.Show(Sabitler.SifrelenecekMetinGirilmedi);
237:         else
238:         {
239:             lbSifreSonuc.Items.Clear();
240:             var sb = new StringBuilder();
241:             sb.Append("Girilen Metnin SHA 512 Karsiligi: ");
242:
243:             sb.Append(SifrelemeIslemleri.HesaplaSHA512(txtSifrelenecekMetin.Text.Trim()));
244:             lbSifreSonuc.Items.Add(sb.ToString());
245:         }
246:
247:         /// <summary>
248:         /// Ilgili butona tiklandiginda rastgele sifre üretilmesini saglayan metottur
249:         /// </summary>
250:         /// <param name="sender">The sender info (For example Main Form)</param>
251:         /// <param name="e">Event Arguments</param>
252:         private void btnRastgeleSifreUret_Click(object sender, EventArgs e)
253:         {
254:             lbSifreSonuc.Items.Clear();
255:             var sb = new StringBuilder();
256:             sb.Append("Rastgele Üretilen Sifre: ");
257:             sb.Append(SifrelemeIslemleri.RastgeleSifreUret());
258:             lbSifreSonuc.Items.Add(sb.ToString());
259:         }
260:
261:         /// <summary>
262:         /// Paneldeki metin kutusu dolu ise
263:         /// Burada yazilan metnin bir sifre olarak belirli kriterlere uygun olup
264:         /// olmadiginin Gösterilmesini saglayan bir metottur
265:         /// </summary>
266:         /// <param name="sender">The sender info (For example Main Form)</param>
267:         /// <param name="e">Event Arguments</param>
268:         private void btnSifreUygunMu_Click(object sender, EventArgs e)
269:         {
270:             if (string.IsNullOrEmpty(txtSifrelenecekMetin.Text.Trim()))
271:                 MessageBox.Show(Sabitler.SifreMetniGirilmedi);
272:             else
273:             {
274:                 lbSifreSonuc.Items.Clear();
275:                 var sb = new StringBuilder();
276:                 sb.Append("Girilen Sifrenin Uygunluk Durumu: ");
277:
278:                 sb.Append(SifrelemeIslemleri.SifreUygunMu(txtSifrelenecekMetin.Text.Trim()));
279:                 lbSifreSonuc.Items.Add(sb.ToString());
280:             }
281:         }
282:     }

```

```

283:         #region Sayi Islemleri
284:         /// <summary>
285:         /// Paneldeki metin kutusuna girilen metnin sayisal bir deger olup olmadigini
286:         /// Kontrol eden ve sonucu gösteren metottur.
287:         /// </summary>
288:         /// <param name="sender">The sender info (For example Main Form)</param>
289:         /// <param name="e">Event Arguments</param>
290:         private void btnSayisalMi_Click(object sender, EventArgs e)
291:         {
292:             if (string.IsNullOrEmpty(txtSayi.Text.Trim()))
293:                 MessageBox.Show(Sabitler.MetinGirilmedi);
294:             else
295:             {
296:                 lbSayiSonuc.Items.Clear();
297:                 var sb = new StringBuilder();
298:                 sb.Append("Girilen Metin Sayi Mi?: ");
299:                 sb.Append(SayiIslemleri.SayisalMi(txtSayi.Text.Trim()) ? "Evet" :
"Hayir");
300:                 lbSayiSonuc.Items.Add(sb.ToString());
301:             }
302:         }
303:
304:         /// <summary>
305:         /// Paneldeki metin kutusuna girilen para birimi cinsinden rakamin
306:         /// Yazıya çevrilmesini saglayan ve sonucu listbox üzerinde gösteren bir
metottur.
307:         /// </summary>
308:         /// <param name="sender">The sender info (For example Main Form)</param>
309:         /// <param name="e">Event Arguments</param>
310:         private void btnMetneDonustur_Click(object sender, EventArgs e)
311:         {
312:             if (string.IsNullOrEmpty(txtSayi.Text.Trim()))
313:                 MessageBox.Show(Sabitler.MetinGirilmedi);
314:             else if (!SayiIslemleri.SayisalMi(txtSayi.Text.Trim().Replace(".", "")))
315:                 MessageBox.Show(Sabitler.MetinSayisalDegil);
316:             else
317:             {
318:                 var metinSadeceSayiKismi = txtSayi.Text.Trim();
319:                 var sayi = SayiIslemleri.SayiHaliCevir(metinSadeceSayiKismi);
320:                 lbSayiSonuc.Items.Clear();
321:                 var sb = new StringBuilder();
322:                 sb.Append("Girilen Sayinin Metin Hali (Parasal): ");
323:                 sb.Append(SayiIslemleri.SayiyiYaziyaCevir(sayi));
324:                 lbSayiSonuc.Items.Add(sb.ToString());
325:             }
326:         }
327:
328:         /// <summary>
329:         /// Rastgele olacak sekilde 6 haneli kod olusturmayi saglayan bir metottur.
330:         /// </summary>
331:         /// <param name="sender">The sender info (For example Main Form)</param>
332:         /// <param name="e">Event Arguments</param>
333:         private void btnOnayKoduOlustur_Click(object sender, EventArgs e)
334:         {
335:             lbSayiSonuc.Items.Clear();
336:             var sb = new StringBuilder();
337:             sb.Append("Olusturulan 6 haneli onay kodu: ");
338:             sb.Append(SayiIslemleri.AltiHaneliOnayKoduOlustur());
339:             lbSayiSonuc.Items.Add(sb.ToString());
340:         }
341:         #endregion
342:
343:         #region Kisi Islemleri
344:         /// <summary>
345:         /// Paneldeki metin kutusuna girilen TC Kimlik numarasinin
346:         /// Standart TC Kimlik No algoritmasina uygun olup olmadigini kontrol eden bir
metottur.
347:         /// </summary>

```

```

348:         /// <param name="sender">The sender info (For example Main Form)</param>
349:         /// <param name="e">Event Arguments</param>
350:         private void btnTcKimlikDogrula_Click(object sender, EventArgs e)
351:         {
352:             if (string.IsNullOrEmpty(txtKisiMetni.Text.Trim()))
353:                 MessageBox.Show(Sabitler.MetinGirilmedi);
354:             else if (!SayiIslemleri.SayisalMi(txtKisiMetni.Text.Trim()))
355:                 MessageBox.Show(Sabitler.MetinSayisalDegil);
356:             else if (txtKisiMetni.Text.Trim().Length != 11)
357:                 MessageBox.Show(Sabitler.MetinTcKimlikNoDegil);
358:             else
359:             {
360:                 lbKisiSonuc.Items.Clear();
361:                 var sb = new StringBuilder();
362:                 sb.Append("TC Kimlik No Dogru Mu?: ");
363:                 sb.Append(KisiIslemleri.DogrulaTcKimlikNo(txtKisiMetni.Text.Trim()) ?
"Evet" : "Hayir");
364:                 lbKisiSonuc.Items.Add(sb.ToString());
365:             }
366:         }
367:
368:         /// <summary>
369:         /// Paneldeki metin kutusuna girilen IBAN Numarasinin
370:         /// Standart IBAN algoritmasina uygun olup olmadigini kontrol eden bir
metottur.
371:         /// </summary>
372:         /// <param name="sender">The sender info (For example Main Form)</param>
373:         /// <param name="e">Event Arguments</param>
374:         private void btnIbanDogrula_Click(object sender, EventArgs e)
375:         {
376:             if (string.IsNullOrEmpty(txtKisiMetni.Text.Trim()))
377:                 MessageBox.Show(Sabitler.MetinGirilmedi);
378:             else if (txtKisiMetni.Text.Trim().Length != 26)
379:                 MessageBox.Show(Sabitler.MetinIbanNoDegil +
txtKisiMetni.Text.Trim().Length);
380:             else
381:             {
382:                 lbKisiSonuc.Items.Clear();
383:                 var sb = new StringBuilder();
384:                 sb.Append("IBAN Dogru Mu?: ");
385:                 sb.Append(KisiIslemleri.DogrulaIBAN(txtKisiMetni.Text.Trim()) ? "Evet"
: "Hayir");
386:                 lbKisiSonuc.Items.Add(sb.ToString());
387:             }
388:         }
389:
390:         /// <summary>
391:         /// Paneldeki metin kutusuna girilen metnin
392:         /// Geçerli bir e-posta adresi olup olmadigini kontrol eden bir metottur.
393:         /// </summary>
394:         /// <param name="sender">The sender info (For example Main Form)</param>
395:         /// <param name="e">Event Arguments</param>
396:         private void btnEPostaDogrula_Click(object sender, EventArgs e)
397:         {
398:             if (string.IsNullOrEmpty(txtKisiMetni.Text.Trim()))
399:                 MessageBox.Show(Sabitler.MetinGirilmedi);
400:             else
401:             {
402:                 lbKisiSonuc.Items.Clear();
403:                 var sb = new StringBuilder();
404:                 sb.Append("E-Posta Dogru Mu?: ");
405:                 sb.Append(KisiIslemleri.DogrulaEPosta(txtKisiMetni.Text.Trim()) ?
"Evet" : "Hayir");
406:                 lbKisiSonuc.Items.Add(sb.ToString());
407:             }
408:         }
409:         #endregion
410:
411:         #region Metin Islemleri

```



```

412:         /// <summary>
413:         /// Paneldeki metin kutusuna girilen metnin
414:         /// Kelimelerinin ilk harflerini büyük yapmaya yarayan bir metottur.
415:         /// </summary>
416:         /// <param name="sender">The sender info (For example Main Form)</param>
417:         /// <param name="e">Event Arguments</param>
418:         private void btnIlkHarfleriBuyukYap_Click(object sender, EventArgs e)
419:         {
420:             if (string.IsNullOrEmpty(txtMetin.Text.Trim()))
421:                 MessageBox.Show(Sabitler.MetinGirilmedi);
422:             else
423:             {
424:                 lbMetinSonuc.Items.Clear();
425:                 var sb = new StringBuilder();
426:                 sb.Append("Metnin Düzenlenmis Hali: ");
427:                 sb.Append(txtMetin.Text.Trim().MetinIlkKarakterleriBuyukYap());
428:                 lbMetinSonuc.Items.Add(sb.ToString());
429:             }
430:         }
431:
432:         /// <summary>
433:         /// Paneldeki metin kutusuna girilen metnin
434:         /// Sadece ilk harfini büyük yapmaya yarayan bir metottur.
435:         /// </summary>
436:         /// <param name="sender">The sender info (For example Main Form)</param>
437:         /// <param name="e">Event Arguments</param>
438:         private void btnIlkHarfiBuyukYap_Click(object sender, EventArgs e)
439:         {
440:             if (string.IsNullOrEmpty(txtMetin.Text.Trim()))
441:                 MessageBox.Show(Sabitler.MetinGirilmedi);
442:             else
443:             {
444:                 lbMetinSonuc.Items.Clear();
445:                 var sb = new StringBuilder();
446:                 sb.Append("Metnin Düzenlenmis Hali: ");
447:
448:                 sb.Append(MetinIslemleri.MetinIlkKarakterBuyukDigerleriKucukYap(txtMetin.Text.Trim()));
449:                 lbMetinSonuc.Items.Add(sb.ToString());
450:             }
451:         }
452:
453:         /// <summary>
454:         /// Paneldeki metin kutusuna girilen metnin
455:         /// İçerisindeki Türkçe karakterleri Ingilizce hallerine çeviren bir metottur.
456:         /// </summary>
457:         /// <param name="sender">The sender info (For example Main Form)</param>
458:         /// <param name="e">Event Arguments</param>
459:         private void btnTurkceKarakterDuzelt_Click(object sender, EventArgs e)
460:         {
461:             if (string.IsNullOrEmpty(txtMetin.Text.Trim()))
462:                 MessageBox.Show(Sabitler.MetinGirilmedi);
463:             else
464:             {
465:                 lbMetinSonuc.Items.Clear();
466:                 var sb = new StringBuilder();
467:                 sb.Append("Metnin Düzenlenmis Hali: ");
468:
469:                 sb.Append(MetinIslemleri.TurkceKarakterleriDuzelt(txtMetin.Text.Trim()));
470:                 lbMetinSonuc.Items.Add(sb.ToString());
471:             }
472:         }
473:
474:         /// <summary>
475:         /// KVKK durumlarından dolayı TC Kimlik No ve Vergi No gibi alanların
476:         /// Matbu çıktılarda gizlenmesi gibi bir durum söz konusu olduğundan
477:         /// Girilen bu 10 veya 11 karakterlik metinleri sifrelemeye yarayan bir
478:         metottur
479:         /// </summary>
480:         /// <param name="sender">The sender info (For example Main Form)</param>

```

```

478:         /// <param name="e">Event Arguments</param>
479:         private void btnMetinSifrele_Click(object sender, EventArgs e)
480:         {
481:             if (string.IsNullOrEmpty(txtMetin.Text.Trim()))
482:                 MessageBox.Show(Sabitler.MetinGirilmedi);
483:             else if (!SayiIslemleri.SayisalMi(txtMetin.Text.Trim()))
484:                 MessageBox.Show(Sabitler.MetinSayisalDegil);
485:             else if (txtMetin.Text.Trim().Length != 11 && txtMetin.Text.Trim().Length
486:                 != 10)
487:                 MessageBox.Show(Sabitler.MetinTcKimlikNoVeyaVergiNoDegil);
488:             else
489:             {
490:                 lbMetinSonuc.Items.Clear();
491:                 var sb = new StringBuilder();
492:                 sb.Append("TC Kimlik No veya Vergi No'nun Sifrelenmis Hali: ");
493:                 sb.Append(MetinIslemleri.MetinSifrele(txtMetin.Text.Trim()));
494:                 lbMetinSonuc.Items.Add(sb.ToString());
495:             }
496:
497:         /// <summary>
498:         /// Ekrandan çeşitli karakterler içeren telefon numaralari alindigi zaman
499:         /// Bu telefon numarasini olmasi gerektigi hale çevirmeye yarayan bir metottur.
500:         /// </summary>
501:         /// <param name="sender">The sender info (For example Main Form)</param>
502:         /// <param name="e">Event Arguments</param>
503:         private void btnTelefonNoDuzenle_Click(object sender, EventArgs e)
504:         {
505:             if (string.IsNullOrEmpty(txtMetin.Text.Trim()))
506:                 MessageBox.Show(Sabitler.MetinGirilmedi);
507:             else
508:             {
509:                 lbMetinSonuc.Items.Clear();
510:                 var sb = new StringBuilder();
511:                 sb.Append("Telefon Numarasinin Düzenlenmis Hali: ");
512:                 sb.Append(MetinIslemleri.TelefonNoDuzenle(txtMetin.Text.Trim()));
513:                 lbMetinSonuc.Items.Add(sb.ToString());
514:             }
515:         }
516:
517:         /// <summary>
518:         /// Ekrandan girilen metnin geçerli bir e-posta adresi olup olmadigini kontrol
519:         /// Sonucu listbox'a yazdiran metottur.
520:         /// </summary>
521:         /// <param name="sender">The sender info (For example Main Form)</param>
522:         /// <param name="e">Event Arguments</param>
523:         private void btnEPostaKontrol_Click(object sender, EventArgs e)
524:         {
525:             if (string.IsNullOrEmpty(txtMetin.Text.Trim()))
526:                 MessageBox.Show(Sabitler.MetinGirilmedi);
527:             else
528:             {
529:                 lbMetinSonuc.Items.Clear();
530:                 var gecerliMi =
531:                 MetinIslemleri.MailAdresiGecerliMi(txtMetin.Text.Trim());
532:                 lbMetinSonuc.Items.Add(txtMetin.Text.Trim());
533:                 lbMetinSonuc.Items.Add(gecerliMi ? Sabitler.EPostaAdresiGecerli :
534:                 Sabitler.EPostaAdresiGecerliDegil);
535:             }
536:         }
537:     }

```

1.1.2.1.3.2 FrmAnaSayfa.Dispose Method

Clean up any resources being used.

C#

```
protected override void Dispose(bool disposing);
```

Parameters

Parameters	Description
bool disposing	true if managed resources should be disposed; otherwise, false.

Body Source

```
1: protected override void Dispose(bool disposing)
2: {
3:     if (disposing && (components != null))
4:     {
5:         components.Dispose();
6:     }
7:     base.Dispose(disposing);
8: }
```

1.1.2.1.3.3 FrmAnaSayfa.FrmAnaSayfa_Load Method

Form İlk Yüklendiği zaman ekrandaki bütün panellerin erişilemez hale getirilmesi sağlanıyor Bu metotta, çünkü hangi panelin aktifleşeceğinin Combobox üzerinden seçilmesi lazım

C#

```
private void FrmAnaSayfa_Load(object sender, EventArgs e);
```

Parameters

Parameters	Description
object sender	The sender info (For example Main Form)
EventArgs e	Event Arguments

Body Source

```
1: private void FrmAnaSayfa_Load(object sender, EventArgs e)
2: {
3:     cmbIslemTuru.DropDownStyle = ComboBoxStyle.DropDownList;
4:     #region Sayfa İlk Yüklendiğinde Tüm Panellerin Erisime Kapanması
5:     pnlTarihIslemleri.Enabled = false;
6:     pnlSifreIslemleri.Enabled = false;
7:     pnlSayiIslemleri.Enabled = false;
8:     pnlKisiIslemleri.Enabled = false;
9:     pnlMetinIslemleri.Enabled = false;
10:    #endregion
11:    #region Bütün Listboxların MultiLine Yapılması
12:    lbMetinSonuc.DrawMode = DrawMode.OwnerDrawVariable;
13:    lbMetinSonuc.MeasureItem += listBox_MeasureItem;
14:    lbMetinSonuc.DrawItem += listBox_DrawItem;
15:    lbSayiSonuc.DrawMode = DrawMode.OwnerDrawVariable;
16:    lbSayiSonuc.MeasureItem += listBox_MeasureItem;
17:    lbSayiSonuc.DrawItem += listBox_DrawItem;
18:    lbKisiSonuc.DrawMode = DrawMode.OwnerDrawVariable;
19:    lbKisiSonuc.MeasureItem += listBox_MeasureItem;
20:    lbKisiSonuc.DrawItem += listBox_DrawItem;
21:    lbSifreSonuc.DrawMode = DrawMode.OwnerDrawVariable;
22:    lbSifreSonuc.MeasureItem += listBox_MeasureItem;
23:    lbSifreSonuc.DrawItem += listBox_DrawItem;
24:    lbSonuc.DrawMode = DrawMode.OwnerDrawVariable;
25:    lbSonuc.MeasureItem += listBox_MeasureItem;
26:    lbSonuc.DrawItem += listBox_DrawItem;
27:    #endregion
28: }
```

1.1.2.1.3.4 FrmAnaSayfa.InitializeComponent Method

Required method for Designer support - do not modify the contents of this method with the code editor.

C#

```
private void InitializeComponent();
```

Body Source

```
1: private void InitializeComponent()  
2: {  
3:     this.cmbIslemTuru = new System.Windows.Forms.ComboBox();  
4:     this.label1 = new System.Windows.Forms.Label();  
5:     this.pnlTarihIslemleri = new System.Windows.Forms.Panel();  
6:     this.btnAyFarki = new System.Windows.Forms.Button();  
7:     this.label8 = new System.Windows.Forms.Label();  
8:     this.btnTarihAraligi = new System.Windows.Forms.Button();  
9:     this.btnYasHesaplaMetinsel = new System.Windows.Forms.Button();  
10:    this.btnYasHesapla = new System.Windows.Forms.Button();  
11:    this.label4 = new System.Windows.Forms.Label();  
12:    this.lbSonuc = new System.Windows.Forms.ListBox();  
13:    this.dtpBitisTarihi = new System.Windows.Forms.DateTimePicker();  
14:    this.dtpBaslangicTarihi = new System.Windows.Forms.DateTimePicker();  
15:    this.label3 = new System.Windows.Forms.Label();  
16:    this.label2 = new System.Windows.Forms.Label();  
17:    this.pnlSifreIslemleri = new System.Windows.Forms.Panel();  
18:    this.label7 = new System.Windows.Forms.Label();  
19:    this.btnSifreUygunMu = new System.Windows.Forms.Button();  
20:    this.btnRastgeleSifreUret = new System.Windows.Forms.Button();  
21:    this.btnSha512Hash = new System.Windows.Forms.Button();  
22:    this.btnSha256Hash = new System.Windows.Forms.Button();  
23:    this.label6 = new System.Windows.Forms.Label();  
24:    this.lbSifreSonuc = new System.Windows.Forms.ListBox();  
25:    this.btnMd5Hash = new System.Windows.Forms.Button();  
26:    this.txtSifreleneccekMetin = new System.Windows.Forms.TextBox();  
27:    this.label5 = new System.Windows.Forms.Label();  
28:    this.pnlSayiIslemleri = new System.Windows.Forms.Panel();  
29:    this.label9 = new System.Windows.Forms.Label();  
30:    this.btnOnayKoduOlustur = new System.Windows.Forms.Button();  
31:    this.btnMetneDonustur = new System.Windows.Forms.Button();  
32:    this.label10 = new System.Windows.Forms.Label();  
33:    this.lbSayiSonuc = new System.Windows.Forms.ListBox();  
34:    this.btnSayisalMi = new System.Windows.Forms.Button();  
35:    this.txtSayi = new System.Windows.Forms.TextBox();  
36:    this.label11 = new System.Windows.Forms.Label();  
37:    this.pnlKisiIslemleri = new System.Windows.Forms.Panel();  
38:    this.label12 = new System.Windows.Forms.Label();  
39:    this.btnEPostaDogrula = new System.Windows.Forms.Button();  
40:    this.btnIbanDogrula = new System.Windows.Forms.Button();  
41:    this.label13 = new System.Windows.Forms.Label();  
42:    this.lbKisiSonuc = new System.Windows.Forms.ListBox();  
43:    this.btnTcKimlikDogrula = new System.Windows.Forms.Button();  
44:    this.txtKisiMetni = new System.Windows.Forms.TextBox();  
45:    this.label14 = new System.Windows.Forms.Label();  
46:    this.pnlMetinIslemleri = new System.Windows.Forms.Panel();  
47:    this.btnTelefonNoDuzenle = new System.Windows.Forms.Button();  
48:    this.btnMetinSifrele = new System.Windows.Forms.Button();  
49:    this.label15 = new System.Windows.Forms.Label();  
50:    this.btnTurkceKarakterDuzelt = new System.Windows.Forms.Button();  
51:    this.btnIlkHarfiBuyukYap = new System.Windows.Forms.Button();  
52:    this.label16 = new System.Windows.Forms.Label();  
53:    this.lbMetinSonuc = new System.Windows.Forms.ListBox();  
54:    this.btnIlkHarfleriBuyukYap = new System.Windows.Forms.Button();  
55:    this.txtMetin = new System.Windows.Forms.TextBox();  
56:    this.label17 = new System.Windows.Forms.Label();  
57:    this.btnEPostaKontrol = new System.Windows.Forms.Button();  
58:    this.pnlTarihIslemleri.SuspendLayout();  
59:    this.pnlSifreIslemleri.SuspendLayout();
```

```

60:         this.pnlSayiIslemleri.SuspendLayout();
61:         this.pnlKisiIslemleri.SuspendLayout();
62:         this.pnlMetinIslemleri.SuspendLayout();
63:         this.SuspendLayout();
64:         //
65:         // cmbIslemTuru
66:         //
67:         this.cmbIslemTuru.FormattingEnabled = true;
68:         this.cmbIslemTuru.Items.AddRange(new object[] { "Metin Islemleri", "Tarih
Islemleri", "Sayi Islemleri", "Sifre Islemleri", "Kisi Islemleri" });
69:         this.cmbIslemTuru.Location = new System.Drawing.Point(176, 16);
70:         this.cmbIslemTuru.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
71:         this.cmbIslemTuru.Name = "cmbIslemTuru";
72:         this.cmbIslemTuru.Size = new System.Drawing.Size(265, 24);
73:         this.cmbIslemTuru.TabIndex = 0;
74:         this.cmbIslemTuru.SelectedIndexChanged += new
System.EventHandler(this.cmbIslemTuru_SelectedIndexChanged);
75:         //
76:         // label1
77:         //
78:         this.label1.AutoSize = true;
79:         this.label1.Location = new System.Drawing.Point(16, 20);
80:         this.label1.Margin = new System.Windows.Forms.Padding(4, 0, 4, 0);
81:         this.label1.Name = "label1";
82:         this.label1.Size = new System.Drawing.Size(123, 17);
83:         this.label1.TabIndex = 1;
84:         this.label1.Text = "Islem Türü Seçiniz";
85:         //
86:         // pnlTarihIslemleri
87:         //
88:         this.pnlTarihIslemleri.BorderStyle = System.Windows.Forms.BorderStyle.FixedSingle;
89:         this.pnlTarihIslemleri.Controls.Add(this.btnAyFarki);
90:         this.pnlTarihIslemleri.Controls.Add(this.label8);
91:         this.pnlTarihIslemleri.Controls.Add(this.btnTarihAraligi);
92:         this.pnlTarihIslemleri.Controls.Add(this.btnYasHesaplaMetinsel);
93:         this.pnlTarihIslemleri.Controls.Add(this.btnYasHesapla);
94:         this.pnlTarihIslemleri.Controls.Add(this.label4);
95:         this.pnlTarihIslemleri.Controls.Add(this.lbSonuc);
96:         this.pnlTarihIslemleri.Controls.Add(this.dtpBitisTarihi);
97:         this.pnlTarihIslemleri.Controls.Add(this.dtpBaslangicTarihi);
98:         this.pnlTarihIslemleri.Controls.Add(this.label3);
99:         this.pnlTarihIslemleri.Controls.Add(this.label2);
100:        this.pnlTarihIslemleri.Location = new System.Drawing.Point(20, 69);
101:        this.pnlTarihIslemleri.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
102:        this.pnlTarihIslemleri.Name = "pnlTarihIslemleri";
103:        this.pnlTarihIslemleri.Size = new System.Drawing.Size(498, 222);
104:        this.pnlTarihIslemleri.TabIndex = 2;
105:        //
106:        // btnAyFarki
107:        //
108:        this.btnAyFarki.Location = new System.Drawing.Point(381, 94);
109:        this.btnAyFarki.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
110:        this.btnAyFarki.Name = "btnAyFarki";
111:        this.btnAyFarki.Size = new System.Drawing.Size(105, 28);
112:        this.btnAyFarki.TabIndex = 12;
113:        this.btnAyFarki.Text = "Ay Farki";
114:        this.btnAyFarki.UseVisualStyleBackColor = true;
115:        this.btnAyFarki.Click += new System.EventHandler(this.btnAyFarki_Click);
116:        //
117:        // label8
118:        //
119:        this.label8.AutoSize = true;
120:        this.label8.Dock = System.Windows.Forms.DockStyle.Top;
121:        this.label8.Location = new System.Drawing.Point(0, 0);
122:        this.label8.Margin = new System.Windows.Forms.Padding(4, 0, 4, 0);
123:        this.label8.Name = "label8";
124:        this.label8.Size = new System.Drawing.Size(96, 17);
125:        this.label8.TabIndex = 11;
126:        this.label8.Text = "Tarih Islemleri";

```

```

127:    //
128:    // btnTarihAraligi
129:    //
130:    this.btnTarihAraligi.Location = new System.Drawing.Point(272, 94);
131:    this.btnTarihAraligi.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
132:    this.btnTarihAraligi.Name = "btnTarihAraligi";
133:    this.btnTarihAraligi.Size = new System.Drawing.Size(101, 28);
134:    this.btnTarihAraligi.TabIndex = 10;
135:    this.btnTarihAraligi.Text = "Tarih Araligi";
136:    this.btnTarihAraligi.UseVisualStyleBackColor = true;
137:    this.btnTarihAraligi.Click += new System.EventHandler(this.btnTarihAraligi_Click);
138:    //
139:    // btnYasHesaplaMetinsel
140:    //
141:    this.btnYasHesaplaMetinsel.Location = new System.Drawing.Point(112, 94);
142:    this.btnYasHesaplaMetinsel.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
143:    this.btnYasHesaplaMetinsel.Name = "btnYasHesaplaMetinsel";
144:    this.btnYasHesaplaMetinsel.Size = new System.Drawing.Size(151, 28);
145:    this.btnYasHesaplaMetinsel.TabIndex = 9;
146:    this.btnYasHesaplaMetinsel.Text = "Yas Hesapla (Metin)";
147:    this.btnYasHesaplaMetinsel.UseVisualStyleBackColor = true;
148:    this.btnYasHesaplaMetinsel.Click += new
System.EventHandler(this.btnYasHesaplaMetinsel_Click);
149:    //
150:    // btnYasHesapla
151:    //
152:    this.btnYasHesapla.Location = new System.Drawing.Point(4, 94);
153:    this.btnYasHesapla.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
154:    this.btnYasHesapla.Name = "btnYasHesapla";
155:    this.btnYasHesapla.Size = new System.Drawing.Size(100, 28);
156:    this.btnYasHesapla.TabIndex = 8;
157:    this.btnYasHesapla.Text = "Yas Hesapla";
158:    this.btnYasHesapla.UseVisualStyleBackColor = true;
159:    this.btnYasHesapla.Click += new System.EventHandler(this.btnYasHesapla_Click);
160:    //
161:    // label4
162:    //
163:    this.label4.AutoSize = true;
164:    this.label4.Location = new System.Drawing.Point(24, 134);
165:    this.label4.Margin = new System.Windows.Forms.Padding(4, 0, 4, 0);
166:    this.label4.Name = "label4";
167:    this.label4.Size = new System.Drawing.Size(48, 17);
168:    this.label4.TabIndex = 7;
169:    this.label4.Text = "Sonuç";
170:    //
171:    // lbSonuc
172:    //
173:    this.lbSonuc.FormattingEnabled = true;
174:    this.lbSonuc.HorizontalScrollbar = true;
175:    this.lbSonuc.ItemHeight = 16;
176:    this.lbSonuc.Location = new System.Drawing.Point(83, 129);
177:    this.lbSonuc.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
178:    this.lbSonuc.Name = "lbSonuc";
179:    this.lbSonuc.Size = new System.Drawing.Size(340, 84);
180:    this.lbSonuc.TabIndex = 6;
181:    //
182:    // dtpBitisTarihi
183:    //
184:    this.dtpBitisTarihi.Format = System.Windows.Forms.DateTimePickerFormat.Short;
185:    this.dtpBitisTarihi.Location = new System.Drawing.Point(156, 53);
186:    this.dtpBitisTarihi.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
187:    this.dtpBitisTarihi.Name = "dtpBitisTarihi";
188:    this.dtpBitisTarihi.ShowCheckBox = true;
189:    this.dtpBitisTarihi.Size = new System.Drawing.Size(265, 22);
190:    this.dtpBitisTarihi.TabIndex = 5;
191:    //
192:    // dtpBaslangicTarihi
193:    //
194:    this.dtpBaslangicTarihi.Format = System.Windows.Forms.DateTimePickerFormat.Short;

```



```

195:         this.dtpBaslangicTarihi.Location = new System.Drawing.Point(156, 21);
196:         this.dtpBaslangicTarihi.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
197:         this.dtpBaslangicTarihi.Name = "dtpBaslangicTarihi";
198:         this.dtpBaslangicTarihi.ShowCheckBox = true;
199:         this.dtpBaslangicTarihi.Size = new System.Drawing.Size(265, 22);
200:         this.dtpBaslangicTarihi.TabIndex = 4;
201:         //
202:         // label3
203:         //
204:         this.label3.AutoSize = true;
205:         this.label3.Location = new System.Drawing.Point(59, 58);
206:         this.label3.Margin = new System.Windows.Forms.Padding(4, 0, 4, 0);
207:         this.label3.Name = "label3";
208:         this.label3.Size = new System.Drawing.Size(74, 17);
209:         this.label3.TabIndex = 3;
210:         this.label3.Text = "Bitis Tarihi";
211:         //
212:         // label2
213:         //
214:         this.label2.AutoSize = true;
215:         this.label2.Location = new System.Drawing.Point(23, 30);
216:         this.label2.Margin = new System.Windows.Forms.Padding(4, 0, 4, 0);
217:         this.label2.Name = "label2";
218:         this.label2.Size = new System.Drawing.Size(109, 17);
219:         this.label2.TabIndex = 2;
220:         this.label2.Text = "Baslangic Tarihi";
221:         //
222:         // pnlSifreIslemleri
223:         //
224:         this.pnlSifreIslemleri.BorderStyle = System.Windows.Forms.BorderStyle.FixedSingle;
225:         this.pnlSifreIslemleri.Controls.Add(this.label7);
226:         this.pnlSifreIslemleri.Controls.Add(this.btnSifreUygunMu);
227:         this.pnlSifreIslemleri.Controls.Add(this.btnRastgeleSifreUret);
228:         this.pnlSifreIslemleri.Controls.Add(this.btnSha512Hash);
229:         this.pnlSifreIslemleri.Controls.Add(this.btnSha256Hash);
230:         this.pnlSifreIslemleri.Controls.Add(this.label6);
231:         this.pnlSifreIslemleri.Controls.Add(this.lbSifreSonuc);
232:         this.pnlSifreIslemleri.Controls.Add(this.btnMd5Hash);
233:         this.pnlSifreIslemleri.Controls.Add(this.txtSifrelenecekMetin);
234:         this.pnlSifreIslemleri.Controls.Add(this.label5);
235:         this.pnlSifreIslemleri.Location = new System.Drawing.Point(548, 69);
236:         this.pnlSifreIslemleri.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
237:         this.pnlSifreIslemleri.Name = "pnlSifreIslemleri";
238:         this.pnlSifreIslemleri.Size = new System.Drawing.Size(502, 222);
239:         this.pnlSifreIslemleri.TabIndex = 3;
240:         //
241:         // label7
242:         //
243:         this.label7.AutoSize = true;
244:         this.label7.Dock = System.Windows.Forms.DockStyle.Top;
245:         this.label7.Location = new System.Drawing.Point(0, 0);
246:         this.label7.Margin = new System.Windows.Forms.Padding(4, 0, 4, 0);
247:         this.label7.Name = "label7";
248:         this.label7.Size = new System.Drawing.Size(92, 17);
249:         this.label7.TabIndex = 18;
250:         this.label7.Text = "Sifre Islemleri";
251:         this.label7.TextAlign = System.Drawing.ContentAlignment.TopCenter;
252:         //
253:         // btnSifreUygunMu
254:         //
255:         this.btnSifreUygunMu.Location = new System.Drawing.Point(231, 87);
256:         this.btnSifreUygunMu.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
257:         this.btnSifreUygunMu.Name = "btnSifreUygunMu";
258:         this.btnSifreUygunMu.Size = new System.Drawing.Size(193, 28);
259:         this.btnSifreUygunMu.TabIndex = 17;
260:         this.btnSifreUygunMu.Text = "Sifre Uygun Mu?";
261:         this.btnSifreUygunMu.UseVisualStyleBackColor = true;
262:         this.btnSifreUygunMu.Click += new System.EventHandler(this.btnSifreUygunMu_Click);
263:         //

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```
264:         // btnRastgeleSifreUret
265:         //
266:         this.btnRastgeleSifreUret.Location = new System.Drawing.Point(28, 87);
267:         this.btnRastgeleSifreUret.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
268:         this.btnRastgeleSifreUret.Name = "btnRastgeleSifreUret";
269:         this.btnRastgeleSifreUret.Size = new System.Drawing.Size(193, 28);
270:         this.btnRastgeleSifreUret.TabIndex = 16;
271:         this.btnRastgeleSifreUret.Text = "Rastgele Sifre Üret";
272:         this.btnRastgeleSifreUret.UseVisualStyleBackColor = true;
273:         this.btnRastgeleSifreUret.Click += new
System.EventHandler(this.btnRastgeleSifreUret_Click);
274:         //
275:         // btnSha512Hash
276:         //
277:         this.btnSha512Hash.Location = new System.Drawing.Point(324, 52);
278:         this.btnSha512Hash.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
279:         this.btnSha512Hash.Name = "btnSha512Hash";
280:         this.btnSha512Hash.Size = new System.Drawing.Size(100, 28);
281:         this.btnSha512Hash.TabIndex = 15;
282:         this.btnSha512Hash.Text = "SHA 512";
283:         this.btnSha512Hash.UseVisualStyleBackColor = true;
284:         this.btnSha512Hash.Click += new System.EventHandler(this.btnSha512Hash_Click);
285:         //
286:         // btnSha256Hash
287:         //
288:         this.btnSha256Hash.Location = new System.Drawing.Point(175, 52);
289:         this.btnSha256Hash.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
290:         this.btnSha256Hash.Name = "btnSha256Hash";
291:         this.btnSha256Hash.Size = new System.Drawing.Size(100, 28);
292:         this.btnSha256Hash.TabIndex = 14;
293:         this.btnSha256Hash.Text = "SHA 256";
294:         this.btnSha256Hash.UseVisualStyleBackColor = true;
295:         this.btnSha256Hash.Click += new System.EventHandler(this.btnSha256Hash_Click);
296:         //
297:         // label6
298:         //
299:         this.label6.AutoSize = true;
300:         this.label6.Location = new System.Drawing.Point(28, 123);
301:         this.label6.Margin = new System.Windows.Forms.Padding(4, 0, 4, 0);
302:         this.label6.Name = "label6";
303:         this.label6.Size = new System.Drawing.Size(48, 17);
304:         this.label6.TabIndex = 13;
305:         this.label6.Text = "Sonuç";
306:         //
307:         // lbSifreSonuc
308:         //
309:         this.lbSifreSonuc.FormattingEnabled = true;
310:         this.lbSifreSonuc.HorizontalScrollbar = true;
311:         this.lbSifreSonuc.ItemHeight = 16;
312:         this.lbSifreSonuc.Location = new System.Drawing.Point(87, 123);
313:         this.lbSifreSonuc.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
314:         this.lbSifreSonuc.Name = "lbSifreSonuc";
315:         this.lbSifreSonuc.Size = new System.Drawing.Size(333, 84);
316:         this.lbSifreSonuc.TabIndex = 12;
317:         //
318:         // btnMd5Hash
319:         //
320:         this.btnMd5Hash.Location = new System.Drawing.Point(28, 52);
321:         this.btnMd5Hash.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
322:         this.btnMd5Hash.Name = "btnMd5Hash";
323:         this.btnMd5Hash.Size = new System.Drawing.Size(100, 28);
324:         this.btnMd5Hash.TabIndex = 11;
325:         this.btnMd5Hash.Text = "MD5";
326:         this.btnMd5Hash.UseVisualStyleBackColor = true;
327:         this.btnMd5Hash.Click += new System.EventHandler(this.btnMd5Hash_Click);
328:         //
329:         // txtSifrelenecekMetin
330:         //
331:         this.txtSifrelenecekMetin.Location = new System.Drawing.Point(157, 20);
```



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332:         this.txtSifrelenecekMetin.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
333:         this.txtSifrelenecekMetin.Name = "txtSifrelenecekMetin";
334:         this.txtSifrelenecekMetin.Size = new System.Drawing.Size(264, 22);
335:         this.txtSifrelenecekMetin.TabIndex = 4;
336:         //
337:         // label5
338:         //
339:         this.label5.AutoSize = true;
340:         this.label5.Location = new System.Drawing.Point(23, 23);
341:         this.label5.Margin = new System.Windows.Forms.Padding(4, 0, 4, 0);
342:         this.label5.Name = "label5";
343:         this.label5.Size = new System.Drawing.Size(124, 17);
344:         this.label5.TabIndex = 3;
345:         this.label5.Text = "Sifrelenecek Metin";
346:         //
347:         // pnlSayiIslemleri
348:         //
349:         this.pnlSayiIslemleri.BorderStyle = System.Windows.Forms.BorderStyle.FixedSingle;
350:         this.pnlSayiIslemleri.Controls.Add(this.label9);
351:         this.pnlSayiIslemleri.Controls.Add(this.btnOnayKoduOlustur);
352:         this.pnlSayiIslemleri.Controls.Add(this.btnMetneDonustur);
353:         this.pnlSayiIslemleri.Controls.Add(this.label10);
354:         this.pnlSayiIslemleri.Controls.Add(this.lbSayiSonuc);
355:         this.pnlSayiIslemleri.Controls.Add(this.btnSayisalMi);
356:         this.pnlSayiIslemleri.Controls.Add(this.txtSayi);
357:         this.pnlSayiIslemleri.Controls.Add(this.label11);
358:         this.pnlSayiIslemleri.Location = new System.Drawing.Point(20, 316);
359:         this.pnlSayiIslemleri.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
360:         this.pnlSayiIslemleri.Name = "pnlSayiIslemleri";
361:         this.pnlSayiIslemleri.Size = new System.Drawing.Size(502, 222);
362:         this.pnlSayiIslemleri.TabIndex = 19;
363:         //
364:         // label9
365:         //
366:         this.label9.AutoSize = true;
367:         this.label9.Dock = System.Windows.Forms.DockStyle.Top;
368:         this.label9.Location = new System.Drawing.Point(0, 0);
369:         this.label9.Margin = new System.Windows.Forms.Padding(4, 0, 4, 0);
370:         this.label9.Name = "label9";
371:         this.label9.Size = new System.Drawing.Size(90, 17);
372:         this.label9.TabIndex = 18;
373:         this.label9.Text = "Sayi Islemleri";
374:         this.label9.TextAlign = System.Drawing.ContentAlignment.TopCenter;
375:         //
376:         // btnOnayKoduOlustur
377:         //
378:         this.btnOnayKoduOlustur.Location = new System.Drawing.Point(324, 52);
379:         this.btnOnayKoduOlustur.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
380:         this.btnOnayKoduOlustur.Name = "btnOnayKoduOlustur";
381:         this.btnOnayKoduOlustur.Size = new System.Drawing.Size(100, 28);
382:         this.btnOnayKoduOlustur.TabIndex = 15;
383:         this.btnOnayKoduOlustur.Text = "Onay Kodu";
384:         this.btnOnayKoduOlustur.UseVisualStyleBackColor = true;
385:         this.btnOnayKoduOlustur.Click += new
System.EventHandler(this.btnOnayKoduOlustur_Click);
386:         //
387:         // btnMetneDonustur
388:         //
389:         this.btnMetneDonustur.Location = new System.Drawing.Point(136, 52);
390:         this.btnMetneDonustur.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
391:         this.btnMetneDonustur.Name = "btnMetneDonustur";
392:         this.btnMetneDonustur.Size = new System.Drawing.Size(180, 28);
393:         this.btnMetneDonustur.TabIndex = 14;
394:         this.btnMetneDonustur.Text = "Para Metnine Dönüştür";
395:         this.btnMetneDonustur.UseVisualStyleBackColor = true;
396:         this.btnMetneDonustur.Click += new
System.EventHandler(this.btnMetneDonustur_Click);
397:         //
398:         // label10
```

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399:    //
400:    this.label10.AutoSize = true;
401:    this.label10.Location = new System.Drawing.Point(24, 96);
402:    this.label10.Margin = new System.Windows.Forms.Padding(4, 0, 4, 0);
403:    this.label10.Name = "label10";
404:    this.label10.Size = new System.Drawing.Size(48, 17);
405:    this.label10.TabIndex = 13;
406:    this.label10.Text = "Sonuç";
407:    //
408:    // lbSayiSonuc
409:    //
410:    this.lbSayiSonuc.FormattingEnabled = true;
411:    this.lbSayiSonuc.HorizontalScrollbar = true;
412:    this.lbSayiSonuc.ItemHeight = 16;
413:    this.lbSayiSonuc.Location = new System.Drawing.Point(83, 96);
414:    this.lbSayiSonuc.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
415:    this.lbSayiSonuc.Name = "lbSayiSonuc";
416:    this.lbSayiSonuc.Size = new System.Drawing.Size(337, 100);
417:    this.lbSayiSonuc.TabIndex = 12;
418:    //
419:    // btnSayisalMi
420:    //
421:    this.btnSayisalMi.Location = new System.Drawing.Point(28, 52);
422:    this.btnSayisalMi.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
423:    this.btnSayisalMi.Name = "btnSayisalMi";
424:    this.btnSayisalMi.Size = new System.Drawing.Size(100, 28);
425:    this.btnSayisalMi.TabIndex = 11;
426:    this.btnSayisalMi.Text = "Sayisal Mi?";
427:    this.btnSayisalMi.UseVisualStyleBackColor = true;
428:    this.btnSayisalMi.Click += new System.EventHandler(this.btnSayisalMi_Click);
429:    //
430:    // txtSayi
431:    //
432:    this.txtSayi.Location = new System.Drawing.Point(157, 20);
433:    this.txtSayi.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
434:    this.txtSayi.Name = "txtSayi";
435:    this.txtSayi.Size = new System.Drawing.Size(264, 22);
436:    this.txtSayi.TabIndex = 4;
437:    //
438:    // label11
439:    //
440:    this.label11.AutoSize = true;
441:    this.label11.Location = new System.Drawing.Point(23, 23);
442:    this.label11.Margin = new System.Windows.Forms.Padding(4, 0, 4, 0);
443:    this.label11.Name = "label11";
444:    this.label11.Size = new System.Drawing.Size(124, 17);
445:    this.label11.TabIndex = 3;
446:    this.label11.Text = "Sifrelenecek Metin";
447:    //
448:    // pnlKisiIslemleri
449:    //
450:    this.pnlKisiIslemleri.BorderStyle = System.Windows.Forms.BorderStyle.FixedSingle;
451:    this.pnlKisiIslemleri.Controls.Add(this.label12);
452:    this.pnlKisiIslemleri.Controls.Add(this.btnEPostaDogrula);
453:    this.pnlKisiIslemleri.Controls.Add(this.btnIbanDogrula);
454:    this.pnlKisiIslemleri.Controls.Add(this.label13);
455:    this.pnlKisiIslemleri.Controls.Add(this.lbKisiSonuc);
456:    this.pnlKisiIslemleri.Controls.Add(this.btnTcKimlikDogrula);
457:    this.pnlKisiIslemleri.Controls.Add(this.txtKisiMetni);
458:    this.pnlKisiIslemleri.Controls.Add(this.label14);
459:    this.pnlKisiIslemleri.Location = new System.Drawing.Point(548, 316);
460:    this.pnlKisiIslemleri.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
461:    this.pnlKisiIslemleri.Name = "pnlKisiIslemleri";
462:    this.pnlKisiIslemleri.Size = new System.Drawing.Size(502, 222);
463:    this.pnlKisiIslemleri.TabIndex = 20;
464:    //
465:    // label12
466:    //
467:    this.label12.AutoSize = true;
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468:         this.label12.Dock = System.Windows.Forms.DockStyle.Top;
469:         this.label12.Location = new System.Drawing.Point(0, 0);
470:         this.label12.Margin = new System.Windows.Forms.Padding(4, 0, 4, 0);
471:         this.label12.Name = "label12";
472:         this.label12.Size = new System.Drawing.Size(85, 17);
473:         this.label12.TabIndex = 18;
474:         this.label12.Text = "Kisi Islemleri";
475:         this.label12.TextAlign = System.Drawing.ContentAlignment.TopCenter;
476:         //
477:         // btnEPostaDogrula
478:         //
479:         this.btnEPostaDogrula.Location = new System.Drawing.Point(297, 52);
480:         this.btnEPostaDogrula.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
481:         this.btnEPostaDogrula.Name = "btnEPostaDogrula";
482:         this.btnEPostaDogrula.Size = new System.Drawing.Size(127, 28);
483:         this.btnEPostaDogrula.TabIndex = 15;
484:         this.btnEPostaDogrula.Text = "E-Posta Dogrula";
485:         this.btnEPostaDogrula.UseVisualStyleBackColor = true;
486:         this.btnEPostaDogrula.Click += new
System.EventHandler(this.btnEPostaDogrula_Click);
487:         //
488:         // btnIbanDogrula
489:         //
490:         this.btnIbanDogrula.Location = new System.Drawing.Point(175, 52);
491:         this.btnIbanDogrula.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
492:         this.btnIbanDogrula.Name = "btnIbanDogrula";
493:         this.btnIbanDogrula.Size = new System.Drawing.Size(115, 28);
494:         this.btnIbanDogrula.TabIndex = 14;
495:         this.btnIbanDogrula.Text = "IBAN Dogrula";
496:         this.btnIbanDogrula.UseVisualStyleBackColor = true;
497:         this.btnIbanDogrula.Click += new System.EventHandler(this.btnIbanDogrula_Click);
498:         //
499:         // label13
500:         //
501:         this.label13.AutoSize = true;
502:         this.label13.Location = new System.Drawing.Point(24, 96);
503:         this.label13.Margin = new System.Windows.Forms.Padding(4, 0, 4, 0);
504:         this.label13.Name = "label13";
505:         this.label13.Size = new System.Drawing.Size(48, 17);
506:         this.label13.TabIndex = 13;
507:         this.label13.Text = "Sonuç";
508:         //
509:         // lbKisiSonuc
510:         //
511:         this.lbKisiSonuc.FormattingEnabled = true;
512:         this.lbKisiSonuc.HorizontalScrollbar = true;
513:         this.lbKisiSonuc.ItemHeight = 16;
514:         this.lbKisiSonuc.Location = new System.Drawing.Point(83, 96);
515:         this.lbKisiSonuc.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
516:         this.lbKisiSonuc.Name = "lbKisiSonuc";
517:         this.lbKisiSonuc.Size = new System.Drawing.Size(337, 100);
518:         this.lbKisiSonuc.TabIndex = 12;
519:         //
520:         // btnTcKimlikDogrula
521:         //
522:         this.btnTcKimlikDogrula.Location = new System.Drawing.Point(28, 52);
523:         this.btnTcKimlikDogrula.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
524:         this.btnTcKimlikDogrula.Name = "btnTcKimlikDogrula";
525:         this.btnTcKimlikDogrula.Size = new System.Drawing.Size(139, 28);
526:         this.btnTcKimlikDogrula.TabIndex = 11;
527:         this.btnTcKimlikDogrula.Text = "TC Kimlik Dogrula";
528:         this.btnTcKimlikDogrula.UseVisualStyleBackColor = true;
529:         this.btnTcKimlikDogrula.Click += new
System.EventHandler(this.btnTcKimlikDogrula_Click);
530:         //
531:         // txtKisiMetni
532:         //
533:         this.txtKisiMetni.Location = new System.Drawing.Point(157, 20);
534:         this.txtKisiMetni.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);

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535:         this.txtKisiMetni.Name = "txtKisiMetni";
536:         this.txtKisiMetni.Size = new System.Drawing.Size(264, 22);
537:         this.txtKisiMetni.TabIndex = 4;
538:         //
539:         // label14
540:         //
541:         this.label14.AutoSize = true;
542:         this.label14.Location = new System.Drawing.Point(23, 23);
543:         this.label14.Margin = new System.Windows.Forms.Padding(4, 0, 4, 0);
544:         this.label14.Name = "label14";
545:         this.label14.Size = new System.Drawing.Size(42, 17);
546:         this.label14.TabIndex = 3;
547:         this.label14.Text = "Metin";
548:         //
549:         // pnlMetinIslemleri
550:         //
551:         this.pnlMetinIslemleri.BorderStyle = System.Windows.Forms.BorderStyle.FixedSingle;
552:         this.pnlMetinIslemleri.Controls.Add(this.btnEPostaKontrol);
553:         this.pnlMetinIslemleri.Controls.Add(this.btnTelefonNoDuzenle);
554:         this.pnlMetinIslemleri.Controls.Add(this.btnMetinSifrele);
555:         this.pnlMetinIslemleri.Controls.Add(this.label15);
556:         this.pnlMetinIslemleri.Controls.Add(this.btnTurkceKarakterDuzelt);
557:         this.pnlMetinIslemleri.Controls.Add(this.btnIlkHarfiBuyukYap);
558:         this.pnlMetinIslemleri.Controls.Add(this.label16);
559:         this.pnlMetinIslemleri.Controls.Add(this.lbMetinSonuc);
560:         this.pnlMetinIslemleri.Controls.Add(this.btnIlkHarfleriBuyukYap);
561:         this.pnlMetinIslemleri.Controls.Add(this.txtMetin);
562:         this.pnlMetinIslemleri.Controls.Add(this.label17);
563:         this.pnlMetinIslemleri.Location = new System.Drawing.Point(20, 564);
564:         this.pnlMetinIslemleri.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
565:         this.pnlMetinIslemleri.Name = "pnlMetinIslemleri";
566:         this.pnlMetinIslemleri.Size = new System.Drawing.Size(1030, 222);
567:         this.pnlMetinIslemleri.TabIndex = 21;
568:         //
569:         // btnTelefonNoDuzenle
570:         //
571:         this.btnTelefonNoDuzenle.Location = new System.Drawing.Point(671, 52);
572:         this.btnTelefonNoDuzenle.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
573:         this.btnTelefonNoDuzenle.Name = "btnTelefonNoDuzenle";
574:         this.btnTelefonNoDuzenle.Size = new System.Drawing.Size(179, 28);
575:         this.btnTelefonNoDuzenle.TabIndex = 20;
576:         this.btnTelefonNoDuzenle.Text = "Telefon No Düzenle";
577:         this.btnTelefonNoDuzenle.UseVisualStyleBackColor = true;
578:         this.btnTelefonNoDuzenle.Click += new
System.EventHandler(this.btnTelefonNoDuzenle_Click);
579:         //
580:         // btnMetinSifrele
581:         //
582:         this.btnMetinSifrele.Location = new System.Drawing.Point(484, 52);
583:         this.btnMetinSifrele.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
584:         this.btnMetinSifrele.Name = "btnMetinSifrele";
585:         this.btnMetinSifrele.Size = new System.Drawing.Size(179, 28);
586:         this.btnMetinSifrele.TabIndex = 19;
587:         this.btnMetinSifrele.Text = "Metin Sifrele";
588:         this.btnMetinSifrele.UseVisualStyleBackColor = true;
589:         this.btnMetinSifrele.Click += new System.EventHandler(this.btnMetinSifrele_Click);
590:         //
591:         // label15
592:         //
593:         this.label15.AutoSize = true;
594:         this.label15.Dock = System.Windows.Forms.DockStyle.Top;
595:         this.label15.Location = new System.Drawing.Point(0, 0);
596:         this.label15.Margin = new System.Windows.Forms.Padding(4, 0, 4, 0);
597:         this.label15.Name = "label15";
598:         this.label15.Size = new System.Drawing.Size(97, 17);
599:         this.label15.TabIndex = 18;
600:         this.label15.Text = "Metin Islemleri";
601:         this.label15.TextAlign = System.Drawing.ContentAlignment.TopCenter;
602:         //

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603:         // btnTürkçeKarakterDüzeltil
604:         //
605:         this.btnTürkçeKarakterDüzeltil.Location = new System.Drawing.Point(297, 52);
606:         this.btnTürkçeKarakterDüzeltil.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
607:         this.btnTürkçeKarakterDüzeltil.Name = "btnTürkçeKarakterDüzeltil";
608:         this.btnTürkçeKarakterDüzeltil.Size = new System.Drawing.Size(179, 28);
609:         this.btnTürkçeKarakterDüzeltil.TabIndex = 15;
610:         this.btnTürkçeKarakterDüzeltil.Text = "Türkçe Karakter Düzelt";
611:         this.btnTürkçeKarakterDüzeltil.UseVisualStyleBackColor = true;
612:         this.btnTürkçeKarakterDüzeltil.Click += new
System.EventHandler(this.btnTürkçeKarakterDüzeltil_Click);
613:         //
614:         // btnİlkHarfiBuyukYap
615:         //
616:         this.btnİlkHarfiBuyukYap.Location = new System.Drawing.Point(175, 52);
617:         this.btnİlkHarfiBuyukYap.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
618:         this.btnİlkHarfiBuyukYap.Name = "btnİlkHarfiBuyukYap";
619:         this.btnİlkHarfiBuyukYap.Size = new System.Drawing.Size(115, 28);
620:         this.btnİlkHarfiBuyukYap.TabIndex = 14;
621:         this.btnİlkHarfiBuyukYap.Text = "İlk Harf Büyük";
622:         this.btnİlkHarfiBuyukYap.UseVisualStyleBackColor = true;
623:         this.btnİlkHarfiBuyukYap.Click += new
System.EventHandler(this.btnİlkHarfiBuyukYap_Click);
624:         //
625:         // label16
626:         //
627:         this.label16.AutoSize = true;
628:         this.label16.Location = new System.Drawing.Point(24, 96);
629:         this.label16.Margin = new System.Windows.Forms.Padding(4, 0, 4, 0);
630:         this.label16.Name = "label16";
631:         this.label16.Size = new System.Drawing.Size(48, 17);
632:         this.label16.TabIndex = 13;
633:         this.label16.Text = "Sonuç";
634:         //
635:         // lbMetinSonuc
636:         //
637:         this.lbMetinSonuc.FormattingEnabled = true;
638:         this.lbMetinSonuc.HorizontalScrollbar = true;
639:         this.lbMetinSonuc.ItemHeight = 16;
640:         this.lbMetinSonuc.Location = new System.Drawing.Point(83, 96);
641:         this.lbMetinSonuc.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
642:         this.lbMetinSonuc.Name = "lbMetinSonuc";
643:         this.lbMetinSonuc.Size = new System.Drawing.Size(868, 100);
644:         this.lbMetinSonuc.TabIndex = 12;
645:         //
646:         // btnİlkHarfleriBuyukYap
647:         //
648:         this.btnİlkHarfleriBuyukYap.Location = new System.Drawing.Point(28, 52);
649:         this.btnİlkHarfleriBuyukYap.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
650:         this.btnİlkHarfleriBuyukYap.Name = "btnİlkHarfleriBuyukYap";
651:         this.btnİlkHarfleriBuyukYap.Size = new System.Drawing.Size(139, 28);
652:         this.btnİlkHarfleriBuyukYap.TabIndex = 11;
653:         this.btnİlkHarfleriBuyukYap.Text = "İlk Harfler Büyük";
654:         this.btnİlkHarfleriBuyukYap.UseVisualStyleBackColor = true;
655:         this.btnİlkHarfleriBuyukYap.Click += new
System.EventHandler(this.btnİlkHarfleriBuyukYap_Click);
656:         //
657:         // txtMetin
658:         //
659:         this.txtMetin.Location = new System.Drawing.Point(159, 15);
660:         this.txtMetin.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
661:         this.txtMetin.Name = "txtMetin";
662:         this.txtMetin.Size = new System.Drawing.Size(792, 22);
663:         this.txtMetin.TabIndex = 4;
664:         //
665:         // label17
666:         //
667:         this.label17.AutoSize = true;
668:         this.label17.Location = new System.Drawing.Point(23, 23);

```



```

669:         this.label17.Margin = new System.Windows.Forms.Padding(4, 0, 4, 0);
670:         this.label17.Name = "label17";
671:         this.label17.Size = new System.Drawing.Size(42, 17);
672:         this.label17.TabIndex = 3;
673:         this.label17.Text = "Metin";
674:         //
675:         // btnEPostaKontrol
676:         //
677:         this.btnEPostaKontrol.Location = new System.Drawing.Point(858, 52);
678:         this.btnEPostaKontrol.Margin = new System.Windows.Forms.Padding(4);
679:         this.btnEPostaKontrol.Name = "btnEPostaKontrol";
680:         this.btnEPostaKontrol.Size = new System.Drawing.Size(160, 28);
681:         this.btnEPostaKontrol.TabIndex = 21;
682:         this.btnEPostaKontrol.Text = "E-Posta Geçerli Mi?";
683:         this.btnEPostaKontrol.UseVisualStyleBackColor = true;
684:         this.btnEPostaKontrol.Click += new
System.EventHandler(this.btnEPostaKontrol_Click);
685:         //
686:         // FrmAnaSayfa
687:         //
688:         this.AutoScaleDimensions = new System.Drawing.SizeF(8F, 16F);
689:         this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;
690:         this.AutoSizeMode = System.Windows.Forms.AutoSizeMode.GrowAndShrink;
691:         this.ClientSize = new System.Drawing.Size(1067, 844);
692:         this.Controls.Add(this.pnlMetinIslemleri);
693:         this.Controls.Add(this.pnlKisiIslemleri);
694:         this.Controls.Add(this.pnlSayiIslemleri);
695:         this.Controls.Add(this.pnlSifreIslemleri);
696:         this.Controls.Add(this.pnlTarihIslemleri);
697:         this.Controls.Add(this.label1);
698:         this.Controls.Add(this.cmbIslemTuru);
699:         this.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
700:         this.Name = "FrmAnaSayfa";
701:         this.StartPosition = System.Windows.Forms.FormStartPosition.CenterScreen;
702:         this.Text = "Islemler Ekrani";
703:         this.Load += new System.EventHandler(this.FrmAnaSayfa_Load);
704:         this.pnlTarihIslemleri.ResumeLayout(false);
705:         this.pnlTarihIslemleri.PerformLayout();
706:         this.pnlSifreIslemleri.ResumeLayout(false);
707:         this.pnlSifreIslemleri.PerformLayout();
708:         this.pnlSayiIslemleri.ResumeLayout(false);
709:         this.pnlSayiIslemleri.PerformLayout();
710:         this.pnlKisiIslemleri.ResumeLayout(false);
711:         this.pnlKisiIslemleri.PerformLayout();
712:         this.pnlMetinIslemleri.ResumeLayout(false);
713:         this.pnlMetinIslemleri.PerformLayout();
714:         this.ResumeLayout(false);
715:         this.PerformLayout();
716:     }

```

1.1.2.2 Program Class

Class Hierarchy

CSharpHelperMethods.Program

C#

```
internal static class Program;
```


File

Program.cs (see page 101)

Description

This is class CSharpHelperMethods.Program.

Program Methods

	Name	Description
	Main (see page 36)	The main entry point for the application.

1.1.2.2.1 Program Methods**1.1.2.2.1.1 Program.Main Method**

The main entry point for the application.

C#

```
[STAThread]
private static void Main();
```










Body Source

```
1: [STAThread]
2: private static void Main()
3: {
4:     Application.EnableVisualStyles();
5:     Application.SetCompatibleTextRenderingDefault(false);
6:     Application.Run(new FrmAnaSayfa());
7: }
```

1.2 CSharpHelperMethodsLibrary Namespace

This is namespace CSharpHelperMethodsLibrary.


Classes









	Name	Description
	DataTableIslemleri (see page 37)	Raporlama için لازم olan DataTable vb. verilerin düzenlenmesini sağlayan sınıflardır.
	DosyaIslemleri (see page 40)	Dosya işlemleri ile ilgili yardımcı sınıf
	KisiIslemleri (see page 43)	Kisi ile ilişkili yardımcı metotların tamamını içeren sınıf
	MetinIslemleri (see page 45)	Metinsel veri kontrol metotlarını barındıran sınıf
	Sabitler (see page 52)	Metin Sabitlerinin Bulunduğu Sınıf
	SayıIslemleri (see page 55)	Sayısal veri kontrol metotlarını barındıran sınıf
	SifrelemeIslemleri (see page 58)	Sifre ile ilgili işlemler sınıfı
	SiralamaIslemleri (see page 61)	Alfa numerik sıralama için hazırlanmış bir metod
	TarihIslemleri (see page 63)	Tarihsel veri kontrol metotlarını barındıran sınıf

1.2.1 Classes

The following table lists classes in this documentation.

Classes

	Name	Description
	DataTableIslemleri (see page 37)	Raporlama için لازم olan DataTable vb. verilerin düzenlenmesini sağlayan sınıflardır.

	DosyaIslemleri (see page 40)	Dosya islemleri ile ilgili yardimci sinif
	KisiIslemleri (see page 43)	Kisi ile iliskili yardimci metotlarin tamamini içeren sinif
	MetinIslemleri (see page 45)	Metinsel veri kontrol metotlarini barindiran sinif
	Sabitler (see page 52)	Metin Sabitlerinin Bulundugu Sinif
	SayIslemleri (see page 55)	Sayisal veri kontrol metotlarini barindiran sinif
	Sifrelemelislemleri (see page 58)	Sifre ile ilgili islemler sinifi
	Siralamalislemleri (see page 61)	Alfa numerik siralama için hazirlanmis bir metod
	TarihIslemleri (see page 63)	Tarihsel veri kontrol metotlarini barindiran sinif

1.2.1.1 DataTableIslemleri Class

Raporlama için lazim olan DataTable vb. verilerin düzenlenmesini saglayan siniflardir.

Class Hierarchy

CSharpHelperMethodsLibrary.DataTableIslemleri






C#

```
public static class DataTableIslemleri;
```

File

DataTableIslemleri.cs (see page 69)

DataTableIslemleri Methods

	Name	Description
	BaseType (see page 37)	Nesnenin içindeki her hangi bir degerin (DateTime, decimal vb.) Eger Nullable ise, Nullable olmamasini saglayan metottur (Çünkü Crystal Report, Telerik vb. Nullable alan kabul etmiyor)
	Nullable.GetUnderlyingType (see page 38)	This is Nullable.GetUnderlyingType, a member of class DataTableIslemleri.
	oType.GetGenericTypeDefinition (see page 38)	This is oType.GetGenericTypeDefinition, a member of class DataTableIslemleri.
	ToDataTable (see page 38)	Parametre olarak girilen herhangi bir sinif türünden listeyi Idael bir sekilde Nullable alan içermeyen bir DataTable'a çevirmek için kullanılan metottur.
	typeof (see page 39)	This is typeof, a member of class DataTableIslemleri.

1.2.1.1.1 DataTableIslemleri Methods

1.2.1.1.1.1 DataTableIslemleri.BaseType Method

Nesnenin içindeki her hangi bir degerin (DateTime, decimal vb.) Eger Nullable ise, Nullable olmamasini saglayan metottur (Çünkü Crystal Report, Telerik vb. Nullable alan kabul etmiyor)

C#

```
private static Type BaseType(Type oType);
```

Parameters

Parameters	Description
Type oType	Veri Tipi

Returns

Verinin Ideal Tipi

1.2.1.1.1.2 DataTableIslemleri.Nullable.GetUnderlyingType Method

C#

```
private Nullable.GetUnderlyingType(oType);
```

Description

This is Nullable.GetUnderlyingType, a member of class DataTableIslemleri.

1.2.1.1.1.3 DataTableIslemleri.oType.GetGenericTypeDefinition Method

C#

```
private >oType!=null&&oType.IsValueType&&oType.IsGenericType&&
oType.GetGenericTypeDefinition();
```

Description

This is oType.GetGenericTypeDefinition, a member of class DataTableIslemleri.

1.2.1.1.1.4 DataTableIslemleri.ToDataTable Method

Parametre olarak girilen herhangi bir sınıf türünden listeyi Idael bir sekilde Nullable alan içermeyen bir DataTable'a çevirmek için kullanılan metottur.

C#

```
public static DataTable ToDataTable<T>(List<T> liste);
```

Parameters

Parameters	Description
List<T> liste	Liste Bilgisi

Type Parameters

Type Parameters	Description
T	Generic Nesne Tipi

Returns

DataTable cinsinde Nesne

Body Source

```
1: public static DataTable ToDataTable<T>(List<T> liste)
2: {
3:     try
4:     {
5:         var sonuc = new DataTable(typeof(T).Name);
6:
7:         var ozellikler = typeof(T).GetFields(BindingFlags.Public |
BindingFlags.CreateInstance | BindingFlags.Default | BindingFlags.DeclaredOnly |
BindingFlags.ExactBinding | BindingFlags.FlattenHierarchy | BindingFlags.IgnoreReturn |
BindingFlags.Instance | BindingFlags.InvokeMethod | BindingFlags.NonPublic |
BindingFlags.OptionalParamBinding | BindingFlags.SuppressChangeType);
8:
9:         var ozellikler2 = typeof(T).GetProperties(BindingFlags.Public |
BindingFlags.CreateInstance | BindingFlags.Default | BindingFlags.DeclaredOnly |
BindingFlags.ExactBinding | BindingFlags.FlattenHierarchy | BindingFlags.IgnoreReturn |
BindingFlags.Instance | BindingFlags.InvokeMethod | BindingFlags.NonPublic |
BindingFlags.OptionalParamBinding | BindingFlags.SuppressChangeType);
10:
11:         foreach (var ozellik in ozellikler)
12:         {
13:             var varMi = false;
14:             foreach (var ozellik2 in ozellikler2)
```

```

15:         {
16:             if (!ozellik.Name.Contains(ozellik2.Name)) continue;
17:             varMi = true;
18:             var ozellikAdi = ozellik.Name.Replace("<", "");
19:             var ozellikDizi = ozellikAdi.Split('>');
20:             var ozellikTemp = ozellikDizi[0].Trim();
21:             //ozellikTemp = ozellikTemp.Substring(0, ozellikTemp.Length - 1);
22:             if (ozellikTemp == ozellik2.Name)
23:             {
24:                 if (sonuc.Columns.IndexOf(new DataColumn(ozellik2.Name)) >= 0)
25:                     sonuc.Columns.Add(ozellik2.Name, BaseType(ozellik2.PropertyType));
26:                 break;
27:             }
28:
29:             if (sonuc.Columns.IndexOf(new DataColumn(ozellikTemp)) >= 0) continue;
30:             sonuc.Columns.Add(ozellikTemp, BaseType(ozellik2.PropertyType));
31:             break;
32:         }
33:
34:         if (varMi) continue;
35:         if (sonuc.Columns.IndexOf(new DataColumn(ozellik.Name)) < 0)
36:         {
37:             sonuc.Columns.Add(ozellik.Name, BaseType(ozellik.FieldType));
38:         }
39:
40:     }
41:
42:     foreach (var nesne in liste)
43:     {
44:         var degerler = new object[ozellikler.Length];
45:
46:         for (var i = 0; i < ozellikler.Length; i++)
47:         {
48:             var varMi = false;
49:             foreach (var item in ozellikler2)
50:             {
51:                 if (!ozellikler[i].Name.Contains(item.Name)) continue;
52:                 varMi = true;
53:                 degerler[i] = item.GetValue(nesne, null);
54:                 break;
55:             }
56:             if (!varMi)
57:             {
58:                 degerler[i] = ozellikler[i].GetValue(nesne);
59:             }
60:         }
61:
62:         sonuc.Rows.Add(degerler);
63:     }
64:
65:     return sonuc;
66: }
67:
68: catch (Exception)
69: {
70:     return null;
71: }
72: }

```

1.2.1.1.1.5 DataTableIslemleri.typeof Method

C#

```
private typeof(Nullable<>);
```

Description

This is typeof, a member of class DataTableIslemleri.

1.2.1.2 Dosyalslemleri Class

Dosya islemleri ile ilgili yardimici sinif

Class Hierarchy

CSharpHelperMethodsLibrary.Dosyalslemleri






C#

```
public static class DosyaIslemleri;
```

File

Dosyalslemleri.cs (see page 71)

Dosyalslemleri Methods

	Name	Description
	DosyaKilitliMi (see page 40)	Dosya sistemindeki bir dosyanin baska bir program tarafından o anda kullanimda olup olmadiginin kontrol edildiği bir metottur.
	DosyaUzantisiUygunMu (see page 41)	Sisteme yüklenecek dosyanin belirlenen kriterlere uyup uymadigini kontrol eden metottur. Dosyanin uzantisi istedigimiz formatta degilse yanlis olarak geri döndürecektir.s
	GetirDosyaUzantisiMimeTypelle (see page 41)	Dosyanin türünden dosyanin uzantisinin ne oldugunu getiren metottur
	GetirCerikTipiDosyaUzantisille (see page 42)	Dosya uzantisinden dosyanin türünün ne oldugunu getiren metottur
	GüvenliDizinOlustur (see page 43)	Bu metot ile gönderdiginiz Dizin yolunda verdiginiz isimde bir klasör yoksa Otomatik olarak olusturmayi sagliyor

1.2.1.2.1 Dosyalslemleri Methods

1.2.1.2.1.1 Dosyalslemleri.DosyaKilitliMi Method

Dosya sistemindeki bir dosyanin baska bir program tarafından o anda kullanimda olup olmadiginin kontrol edildiği bir metottur.

C#

```
public static bool DosyaKilitliMi(FileInfo dosya);
```

Parameters

Parameters	Description
FileInfo dosya	Dosya Bilgisi

Returns

Evet veya Hayir Bilgisi

Body Source

```
1: public static bool DosyaKilitliMi(FileInfo dosya)
2: {
3:     FileStream stream = null;
4:     try
5:     {
6:         stream = dosya.Open(FileMode.Open, FileAccess.ReadWrite, FileShare.None);
7:     }
8:     catch (IOException)
9:     {
```

```

10:         // eger dosya baska bir uygulama tarafından kullaniliyorsa
11:         // burada true dönüyor ki
12:         // kullanıcı bu metottan gelen bilgiye göre davranisin
13:         return true;
14:     }
15:     finally
16:     {
17:         stream?.Close();
18:     }
19:
20:     //file is not locked
21:     return false;
22: }

```

1.2.1.2.1.2 Dosyalslemleri.DosyaUzantisiUygunMu Method

Sisteme yüklenecek dosyanın belirlenen kriterlere uyup uymadığını kontrol eden metottur. Dosyanın uzantisi istediğimiz formatta değilse yanlış olarak geri döndürecektir.s

C#

```
public static bool DosyaUzantisiUygunMu(string extension);
```

Parameters

Parameters	Description
string extension	Dosya Uzantisi

Returns

Eklenecek Dosyanın Uygun Olup Olmadığı Bilgisi

Body Source

```

1: public static bool DosyaUzantisiUygunMu(string extension)
2: {
3:     extension = extension.ToLower();
4:
5:     return extension == ".jpg" || extension == ".bmp" || extension == ".png" ||
extension == ".doc" || extension == ".docx" || extension == ".ppt" || extension == ".pptx"
|| extension == ".xls" || extension == ".xlsx" || extension == ".rar" || extension ==
".zip" || extension == ".7z" || extension == ".pdf" || extension == ".txt" || extension ==
".rtf";
6: }

```

1.2.1.2.1.3 Dosyalslemleri.GetirDosyaUzantisiMimeTypeIle Method

Dosyanın türünden dosyanın uzantisinin ne olduğunu getiren metottur

C#

```
public static string GetirDosyaUzantisiMimeTypeIle(string mimeType);
```

Parameters

Parameters	Description
string mimeType	Mime Type

Returns

Dosya Türü Bilgisi

Body Source

```

1: public static string GetirDosyaUzantisiMimeTypeIle(string mimeType)
2: {
3:     string dosyaUzantisi;
4:     mimeType = mimeType.ToLower();
5:     switch (mimeType)
6:     {

```

```

7:         case "application/pdf": dosyaUzantisi = "pdf"; break;
8:         case "image/jpeg": dosyaUzantisi = "jpeg"; break;
9:         case "image/jpg": dosyaUzantisi = "jpg"; break;
10:        case "image/png": dosyaUzantisi = "png"; break;
11:        case "image/bmp": dosyaUzantisi = "bmp"; break;
12:        case "application/msword": dosyaUzantisi = "doc"; break;
13:        case "application / vnd.openxmlformats -
officedocument.presentationml.presentation": dosyaUzantisi = "pptx"; break;
14:        case "application/vnd.ms-excel": dosyaUzantisi = "xls"; break;
15:        case "text/plain": dosyaUzantisi = "txt"; break;
16:        case "application/vnd.openxmlformats-officedocument.spreadsheetml.sheet":
dosyaUzantisi = "xlsx"; break;
17:        case "application/vnd.openxmlformats-officedocument.wordprocessingml.document":
dosyaUzantisi = "docx"; break;
18:        case "text/xml": dosyaUzantisi = "xml"; break;
19:        case "application/vnd.ms-powerpoint": dosyaUzantisi = "ppt"; break;
20:        case "application/zip": dosyaUzantisi = "zip"; break;
21:        case "application/x-rar-compressed": dosyaUzantisi = "rar"; break;
22:        case "application/x-7z-compressed": dosyaUzantisi = "7z"; break;
23:        default: dosyaUzantisi = "error"; break;
24:    }
25:
26:    return dosyaUzantisi;
27: }

```

1.2.1.2.1.4 Dosyaislemleri.GetirIcerikTipiDosyaUzantisille Method

Dosya uzantisinden dosyanın türünün ne olduğunu getiren metottur

C#

```
public static string GetirIcerikTipiDosyaUzantisille(string extension);
```

Parameters

Parameters	Description
string extension	Dosya Uzantisi

Returns

Dosya Türü Bilgisi

Body Source

```

1: public static string GetirIcerikTipiDosyaUzantisille(string extension)
2: {
3:     var contentType = String.Empty;
4:     extension = extension.Replace(".", "").ToLower();
5:     switch (extension)
6:     {
7:         case "pdf": contentType = "application/pdf"; break;
8:         case "jpeg": contentType = "image/jpeg"; break;
9:         case "jpg": contentType = "image/jpg"; break;
10:        case "png": contentType = "image/png"; break;
11:        case "bmp": contentType = "image/bmp"; break;
12:        case "doc": contentType = "application/msword"; break;
13:        case "pptx": contentType =
"application/vnd.openxmlformats-officedocument.presentationml.presentation"; break;
14:        case "xls": contentType = "application/vnd.ms-excel"; break;
15:        case "txt": contentType = "text/plain"; break;
16:        case "xlsx": contentType =
"application/vnd.openxmlformats-officedocument.spreadsheetml.sheet"; break;
17:        case "rtf": contentType = "application/rtf"; break;
18:        case "docx": contentType =
"application/vnd.openxmlformats-officedocument.wordprocessingml.document"; break;
19:        case "ppt": contentType = "application/vnd.ms-powerpoint"; break;
20:        case "zip": contentType = "application/zip"; break;
21:        case "rar": contentType = "application/x-rar-compressed"; break;
22:        case "7z": contentType = "application/x-7z-compressed"; break;
23:        default: contentType = "application/octet-stream"; break;

```

```

24:     }
25:
26:     return contentType;
27: }

```

1.2.1.2.1.5 Dosyaislemleri.GuvenliDizinOlustur Method

Bu metot ile gönderdiğiniz Dizin yolunda verdiğiniz isimde bir klasör yoksa Otomatik olarak olusturmayı sagliyor

C#

```
public static bool GuvenliDizinOlustur(string dizinYolu);
```

Parameters

Parameters	Description
string dizinYolu	Dizin Yolu Bilgisi

Returns

Evet veya Hayir Bilgisi

Body Source

```

1: public static bool GuvenliDizinOlustur(string dizinYolu)
2: {
3:     var isExists = Directory.Exists(dizinYolu);
4:
5:     if (!isExists)
6:         Directory.CreateDirectory(dizinYolu);
7:     return isExists;
8: }

```

1.2.1.3 Kisilslemleri Class

Kisi ile ilgili yardimci metotların tamamını içeren sınıf

Class Hierarchy

CSharpHelperMethodsLibrary.Kisilslemleri




C#

```
public static class KisiIslemleri;
```

File

Kisilslemleri.cs (see page 96)

Kisilslemleri Methods

	Name	Description
	DogrulaEPosta (see page 43)	Ekranlardan girilen bir e-posta adresinin geçerli bir e-posta adresi olup olmadığını Kontrol eden metottur
	DogrulaIBAN (see page 44)	Girilen IBAN'ın standar IBAN algoritmasına uygun olup olmadığını dogrular
	DogrulaTcKimlikNo (see page 45)	Girilen TC Kimlik Numarasının, standart TC Kimlik No algoritmasına uygun olup olmadığını kontrol eden metottur.

1.2.1.3.1 Kisilslemleri Methods

1.2.1.3.1.1 Kisilslemleri.DogrulaEPosta Method

Ekranlardan girilen bir e-posta adresinin geçerli bir e-posta adresi olup olmadığını Kontrol eden metottur

C#

```
public static bool DogrulaEPosta(string ePosta);
```

Parameters

Parameters	Description
string ePosta	E-Posta Adresi

Returns

E-Posta Adresinin Geçerli Olup Olmadığı Bilgisi

Body Source

```
1: public static bool DogrulaEPosta(string ePosta)
2: {
3:     const string pattern = @"^(([\w-]+\.[\w-]+|([a-zA-Z]{1}|[\w-]{2,}))@"
4:         + @"([0-1]?[0-9]{1,2}|25[0-5]|2[0-4][0-9])\."
5:         + @"([0-1]?[0-9]{1,2}|25[0-5]|2[0-4][0-9])\."
6:         + @"([0-1]?[0-9]{1,2}|25[0-5]|2[0-4][0-9])\."
7:         + @"([0-1]?[0-9]{1,2}|25[0-5]|2[0-4][0-9])){1}|"
8:         + @"([a-zA-Z]+[\w-]+\.[\w-]+[a-zA-Z]{2,4})$";
9:     return Regex.IsMatch(ePosta, pattern);
10: }
```

1.2.1.3.1.2 Kisilslemleri.DogrulaIBAN Method

Girilen IBAN'in standar IBAN algoritmasına uygun olup olmadığını dogrular

C#

```
public static bool DogrulaIBAN(string iban);
```

Parameters

Parameters	Description
string iban	Uluslar arasi banka hesap numarasi (IBAN)

Returns

IBAN uygunsa true, degilse false degeri döner

Description

```
DogrulaIBAN("TR560006200000012990022604")
```

Body Source

```
1: public static bool DogrulaIBAN(string iban)
2: {
3:     iban = iban.ToUpper();
4:
5:     if (string.IsNullOrEmpty(iban))
6:         return false;
7:
8:     if (!Regex.IsMatch(iban, "^[A-Z0-9]"))
9:         return false;
10:
11:     iban = iban.Replace(" ", String.Empty);
12:     var bank = iban.Substring(4, iban.Length - 4) + iban.Substring(0, 4);
13:     const int asciiShift = 55;
14:     var sb = new StringBuilder();
15:     foreach (var c in bank)
16:     {
17:         sb.Append(char.IsLetter(c) ? c - asciiShift : int.Parse(c.ToString()));
18:     }
19:
20:     var checksumString = sb.ToString();
21:     var checksum = int.Parse(checksumString.Substring(0, 1));
22:     for (var i = 1; i < checksumString.Length; i++)
```

```

23:     {
24:         var v = int.Parse(checkSumString.Substring(i, 1));
25:         checksum *= 10;
26:         checksum += v;
27:         checksum %= 97;
28:     }
29:     return checksum == 1;
30: }

```

1.2.1.3.1.3 Kisilslemleri.DogrulaTcKimlikNo Method

Girilen TC Kimlik Numarasinin, standart TC Kimlik No algoritmasina uygun olup olmadigini kontrol eden metottur.

C#

```
public static bool DogrulaTcKimlikNo(string tcKimlikNo);
```

Parameters

Parameters	Description
string tcKimlikNo	TC Kimlik No

Returns

TC Kimlik No'nun Uygun Olup Olmadigi Bilgisi

Body Source

```

1: public static bool DogrulaTcKimlikNo(string tcKimlikNo)
2: {
3:     var tcNo = Convert.ToInt64(tcKimlikNo);
4:     var atcno = tcNo / 100;
5:     var btcno = tcNo / 100;
6:     var c1 = atcno % 10; atcno /= 10;
7:     var c2 = atcno % 10; atcno /= 10;
8:     var c3 = atcno % 10; atcno /= 10;
9:     var c4 = atcno % 10; atcno /= 10;
10:    var c5 = atcno % 10; atcno /= 10;
11:    var c6 = atcno % 10; atcno /= 10;
12:    var c7 = atcno % 10; atcno /= 10;
13:    var c8 = atcno % 10; atcno /= 10;
14:    var c9 = atcno % 10;
15:    var q1 = (10 - ((c1 + c3 + c5 + c7 + c9) * 3 + c2 + c4 + c6 + c8) % 10) % 10;
16:    var q2 = (10 - ((c2 + c4 + c6 + c8 + q1) * 3 + c1 + c3 + c5 + c7 + c9) % 10) % 10;
17:    var dogrula = btcno * 100 + q1 * 10 + q2 == tcNo;
18:    return dogrula;
19: }

```

1.2.1.4 MetinIslemleri Class

Metinsel veri kontrol metotlarini barindiran sinif

Class Hierarchy

CSharpHelperMethodsLibrary.MetinIslemleri

C#
















```
public static class MetinIslemleri;
```

File

MetinIslemleri.cs (see page 97)

MetinIslemleri Methods

	Name	Description
	BoslukKaldir (see page 46)	Girilen metnin bosluklarinin kaldırilmasini saglayan metottur.

	GereksizKarakterTemizle (see page 46)	Telefon No, E-Posta Adresi vb. metinsel veriler içerisindeki Bosluk, parantez, kısa çizgi gibi verilerin silinmesi için hazırlanmış metottur
	HTMLDuzelt (see page 47)	Girilen metnin basında virgül olup olmadığını kontrol eden metottur.
	IdealMetinGetir (see page 48)	Girilen metnin basında virgül olup olmadığını kontrol eden metottur.
	MailAdresiGecerliMi (see page 48)	Girilen mail adresinin geçerli olup olmadığını kontrol eden bir metottur
	MetinIlkKarakterBuyukDigerleriKucukYap (see page 49)	This is MetinIlkKarakterBuyukDigerleriKucukYap, a member of class MetinIslemleri.
	MetinIlkKarakterleriBuyukYap (see page 49)	Girilen bir metindeki tüm kelimelerin ilk harflerinin Büyük yapılması için hazırlanan metottur
	MetinSifrele (see page 49)	This is MetinSifrele, a member of class MetinIslemleri.
	MetinZararliKarakterDuzelt (see page 50)	This is MetinZararliKarakterDuzelt, a member of class MetinIslemleri.
	TelefonNoDuzenle (see page 50)	Girilen telefon numarasının SMS gönderilecek hale getirilmesini sağlayan metottur.
	text.First (see page 50)	This is text.First, a member of class MetinIslemleri.
	text.Substring (see page 51)	This is text.Substring, a member of class MetinIslemleri.
	ToString (see page 51)	This is ToString, a member of class MetinIslemleri.
	ToUpper (see page 51)	This is ToUpper, a member of class MetinIslemleri.
	TurkceKarakterleriDuzelt (see page 51)	Girilen metnin basında virgül olup olmadığını kontrol eden metottur.
	UTF8Duzelt (see page 52)	Girilen metnin basında virgül olup olmadığını kontrol eden metottur.

1.2.1.4.1 MetinIslemleri Methods

1.2.1.4.1.1 MetinIslemleri.BoslukKaldir Method

Girilen metnin bosluklarının kaldırılmasını sağlayan metottur.

C#

```
public static string BoslukKaldir(string metin);
```

Parameters

Parameters	Description
string metin	Telefon No Bilgisi

Returns

Girilen Metnin İstenen Hali

Body Source

```
1: public static string BoslukKaldir(string metin)
2: {
3:     if (string.IsNullOrEmpty(metin)) return string.Empty;
4:     metin = GereksizKarakterTemizle(metin);
5:     return metin;
6: }
```

1.2.1.4.1.2 MetinIslemleri.GereksizKarakterTemizle Method

Telefon No, E-Posta Adresi vb. metinsel veriler içerisindeki Bosluk, parantez, kısa çizgi gibi verilerin silinmesi için hazırlanmış metottur

C#

```
private static string GereksizKarakterTemizle(string metin);
```

Parameters

Parameters	Description
string metin	Girdi Metin Bilgisi

Returns

Çikti Metin Bilgisi

Body Source

```
1: private static string GereksizKarakterTemizle(string metin)
2: {
3:     return metin.Replace("-", "").Replace(" ", "").Replace("(", "").Replace(")", "");
4: }
```

1.2.1.4.1.3 MetinIslemleri.HTMLDuzelt Method

Girilen metnin basinda virgül olup olmadigini kontrol eden metottur.

C#

```
public static string HTMLDuzelt(string text);
```

Parameters

Parameters	Description
string text	Girdi metni

Returns

Girilen Metnin Olmasi Gerektigi Hali

Body Source

```
1: public static string HTMLDuzelt(string text)
2: {
3:     var sc = new List<string>
4:     {
5:         // get rid of unnecessary tag spans (comments and title)
6:         @"<!--(\w|\W)+?-->",
7:         @"<title>(\w|\W)+?</title>",
8:         // Get rid of classes and styles
9:         @"\s?class=\w+",
10:        @"\s+style='[^']*'",
11:        // Get rid of unnecessary tags
12:        @"<(meta|link|/?:|/?style|/?div|/?st\d|/?head|/?html|body|/?body|/?span|!\[^\>]*?>",
13:        // Get rid of empty paragraph tags
14:        @"(<[^\>]+>)+&nbsp;(</\w+>)+",
15:        @"<a[^\>]*(<[^\>]+>)</a>",
16:        @"<p[^\>]*(<[^\>]+>)</p>",
17:        // remove bizarre v: element attached to <img> tag
18:        @"\s+v:\w+=\"[^\"]*\"+",
19:        // remove extra lines
20:        @"(\n\r){2,}",
21:        "&nbsp;"
22:    };
23:    text = sc.Aggregate(text, (current, s) => Regex.Replace(current, s, string.Empty,
    RegexOptions.IgnoreCase));
24:    text = Regex.Replace(text, "<.*?>", String.Empty);
25:    text = text.Replace("\r", " ").Replace("\n", " ").Replace(" ", " ").Trim();
26:    text = text.Replace("&rsquo;", "'");
27:    text = text.Replace("&rsquo;", "'");
28:    text = text.Replace("&rdquo;", "\"");
29:    text = text.Replace("&rdquo;", "\"");
30:
31:    text = text.Replace("&lsquo;", "'");
32:    text = text.Replace("&lsquo;", "'");
```

```

33:     text = text.Replace("&ldquo;", "\"");
34:     text = text.Replace("&ldquo;", "\"");
35:
36:     text = text.Replace("&lt;", "<");
37:     text = text.Replace("&gt;", ">");
38:     text = text.Replace("&amp;", "&");
39:     //text = text.Replace("&lt;", "");
40:     //text = text.Replace("&p&gt;", "");
41:     //text = text.Replace("&/p&gt;", "");
42:     //text = text.Replace("&gt;", "");
43:     //return text;
44:     return text;
45: }

```

1.2.1.4.1.4 MetinIslemleri.IdealMetinGetir Method

Girilen metnin basinda virgöl olup olmadigini kontrol eden metottur.

C#

```
public static string IdealMetinGetir(string text);
```

Parameters

Parameters	Description
string text	Girdi metni

Returns

Girilen Metnin Olmasi Gerektigi Hali

Body Source

```

1: public static string IdealMetinGetir(string text)
2: {
3:     if (!string.IsNullOrEmpty(text) && text[0] == ',')
4:     {
5:         text = text.Substring(1, text.Length - 1);
6:     }
7:     return text;
8: }

```

1.2.1.4.1.5 MetinIslemleri.MailAdresiGecerliMi Method

Girilen mail adresinin geçerli olup olmadigini kontrol eden bir metottur

C#

```
public static bool MailAdresiGecerliMi(string email);
```

Parameters

Parameters	Description
string email	E-Posta Adresi

Returns

Geçerli veya Degil Bilgisi

Body Source

```

1: public static bool MailAdresiGecerliMi(string email)
2: {
3:     var gecerliMi = true;
4:     try
5:     {
6:         var emailAddress = new MailAddress(email);
7:     }
8:     catch
9:     {
10:         gecerliMi = false;

```

```

11:     }
12:     return geceriMi;
13: }

```

1.2.1.4.1.6 MetinIslemleri.MetinIlkKarakterBuyukDigerleriKucukYap Method

C#

```
public static string MetinIlkKarakterBuyukDigerleriKucukYap(string text);
```

Description

This is MetinIlkKarakterBuyukDigerleriKucukYap, a member of class MetinIslemleri.

1.2.1.4.1.7 MetinIslemleri.MetinIlkKarakterleriBuyukYap Method

Girilen bir metindeki tüm kelimelerin ilk harflerinin Büyük yapılması için hazırlanan metottur

C#

```
public static string MetinIlkKarakterleriBuyukYap(this string input);
```

Parameters

Parameters	Description
this string input	Girilen metin

Returns

Metnin Kelimelerinin İlk Harflerinin Büyülmüş Hali

Body Source

```

1: public static string MetinIlkKarakterleriBuyukYap(this string input)
2: {
3:     var metinDuzenleyici = new StringBuilder();
4:     var wordList = input.Split(' ');
5:     var cultureInfo = new CultureInfo("tr-TR");
6:     foreach (var item in wordList)
7:     {
8:         if (item.Length > 1)
9:         {
10:             metinDuzenleyici.Append(item.Substring(0, 1).ToUpper(cultureInfo));
11:             metinDuzenleyici.Append(item.Substring(1).ToLower(cultureInfo));
12:             metinDuzenleyici.Append(" ");
13:         }
14:         else if (item.Length == 1)
15:         {
16:             metinDuzenleyici.Append(item.ToUpper(cultureInfo));
17:             metinDuzenleyici.Append(" ");
18:         }
19:     }
20:     return metinDuzenleyici.ToString();
21: }

```

1.2.1.4.1.8 MetinIslemleri.MetinSifrele Method

C#

```
public static string MetinSifrele(string metin);
```

Description

This is MetinSifrele, a member of class MetinIslemleri.

Body Source

```

1: public static string MetinSifrele(string metin)
2: {
3:     if (string.IsNullOrEmpty(metin)) return metin;
4:     var metinDuzenleyici = new StringBuilder(metin);

```

```

5:         switch (metin.Length)
6:         {
7:             case 10:
8:                 metinDuzenleyici.Remove(2, 6);
9:                 metinDuzenleyici.Insert(2, "*****");
10:                metin = metinDuzenleyici.ToString();
11:                break;
12:            case 11:
13:                metinDuzenleyici.Remove(2, 7);
14:                metinDuzenleyici.Insert(2, "*****");
15:                metin = metinDuzenleyici.ToString();
16:                break;
17:        }
18:        return metin;
19:    }

```

1.2.1.4.1.9 MetinIslemleri.MetinZararliKarakterDuzelt Method

C#

```
public static string MetinZararliKarakterDuzelt(string text);
```

Description

This is MetinZararliKarakterDuzelt, a member of class MetinIslemleri.

Body Source

```

1: public static string MetinZararliKarakterDuzelt(string text)
2: {
3:     text = text.Replace("&#252;", "ü");
4:     return text;
5: }

```

1.2.1.4.1.10 MetinIslemleri.TelefonNoDuzenle Method

Girilen telefon numarasinin SMS gönderilecek hale getirilmesini saglayan metottur.

C#

```
public static string TelefonNoDuzenle(string telefonNo);
```

Parameters

Parameters	Description
string telefonNo	Telefon No Bilgisi

Returns

Girilen Telefon Numarasinin SMS Gönderilecek Hali

Body Source

```

1: public static string TelefonNoDuzenle(string telefonNo)
2: {
3:     if (string.IsNullOrEmpty(telefonNo)) return string.Empty;
4:     telefonNo = GereksizKarakterTemizle(telefonNo);
5:     if (telefonNo.Length == 11)
6:     {
7:         telefonNo = telefonNo.Substring(telefonNo.Length - 10);
8:     }
9:     return telefonNo;
10: }
11: }

```

1.2.1.4.1.11 MetinIslemleri.text.First Method

C#

```
private > text.First();
```

Description

This is text.First, a member of class MetinIslemleri.

1.2.1.4.1.12 MetinIslemleri.text.Substring Method**C#**

```
private text.Substring(1);
```

Description

This is text.Substring, a member of class MetinIslemleri.

1.2.1.4.1.13 MetinIslemleri.ToString Method**C#**

```
private ToString();
```

Description

This is ToString, a member of class MetinIslemleri.

1.2.1.4.1.14 MetinIslemleri.ToUpper Method**C#**

```
private ToUpper();
```

Description

This is ToUpper, a member of class MetinIslemleri.

1.2.1.4.1.15 MetinIslemleri.TurkceKarakterleriDuzelt Method

Girilen metnin basinda virgöl olup olmadigini kontrol eden metottur.

C#

```
public static string TurkceKarakterleriDuzelt(string text);
```

Parameters

Parameters	Description
string text	Girdi metni

Returns

Girilen Metnin Olmasi Gerektigi Hali

Body Source

```
1: public static string TurkceKarakterleriDuzelt(string text)
2: {
3:     text = text.Replace("ü", "u");
4:     text = text.Replace("i", "i");
5:     text = text.Replace("ö", "o");
6:     text = text.Replace("ü", "u");
7:     text = text.Replace("s", "s");
8:     text = text.Replace("g", "g");
9:     text = text.Replace("ç", "c");
10:    text = text.Replace("Ü", "U");
11:    text = text.Replace("İ", "I");
12:    text = text.Replace("Ö", "O");
13:    text = text.Replace("Û", "U");
14:    text = text.Replace("S", "S");
15:    text = text.Replace("G", "G");
```

```

16:     text = text.Replace("Ç", "C");
17:     return text;
18: }

```

1.2.1.4.1.16 MetinIslemleri.UTF8Duzelt Method

Girilen metnin basinda virgöl olup olmadigini kontrol eden metottur.

C#

```
public static string UTF8Duzelt(string text);
```

Parameters

Parameters	Description
string text	Girdi metni

Returns

Girilen Metnin Olmasi Gerektigi Hali

Body Source

```

1: public static string UTF8Duzelt(string text)
2: {
3:     text = text.Replace("&ccedil;", "Ç");
4:     text = text.Replace("&ouml;", "Ö");
5:     text = text.Replace("&uuml;", "Ü");
6:     text = text.Replace("&cedil;", "ç");
7:     text = text.Replace("&ouml;", "ö");
8:     text = text.Replace("&uuml;", "ü");
9:     return text;
10: }

```

1.2.1.5 Sabitler Class

Metin Sabitlerinin Bulundugu Sinif

Class Hierarchy

CSharpHelperMethodsLibrary.Sabitler


C#






```
public static class Sabitler;
```

File

Sabitler.cs (see page 103)

Sabitler Fields

	Name	Description
	BaslangicTarihiBuyuk (see page 53)	This is BaslangicTarihiBuyuk, a member of class Sabitler.
	BaslangicTarihiGirilmedi (see page 53)	This is BaslangicTarihiGirilmedi, a member of class Sabitler.
	BaslangicVeyaBitisTarihiGirilmedi (see page 53)	public const string BitisTarihiGirilmedi = "Bitis Tarihi girilmedigi için bu işlem gerçekleştirilemez.";
	EPostaAdresiGecerli (see page 53)	This is EPostaAdresiGecerli, a member of class Sabitler.
	EPostaAdresiGecerliDegil (see page 53)	This is EPostaAdresiGecerliDegil, a member of class Sabitler.
	MetinGirilmedi (see page 54)	This is MetinGirilmedi, a member of class Sabitler.
	MetinIbanNoDegil (see page 54)	This is MetinIbanNoDegil, a member of class Sabitler.

	MetinSayisalDegil (see page 54)	This is MetinSayisalDegil, a member of class Sabitler.
	MetinTcKimlikNoDegil (see page 54)	This is MetinTcKimlikNoDegil, a member of class Sabitler.
	MetinTcKimlikNoVeyaVergiNoDegil (see page 54)	This is MetinTcKimlikNoVeyaVergiNoDegil, a member of class Sabitler.
	SifrelenecekMetinGirilmedi (see page 54)	This is SifrelenecekMetinGirilmedi, a member of class Sabitler.
	SifreMetniGirilmedi (see page 55)	This is SifreMetniGirilmedi, a member of class Sabitler.

1.2.1.5.1 Sabitler Fields

1.2.1.5.1.1 Sabitler.BaslangicTarihiBuyuk Field

C#

```
public const string BaslangicTarihiBuyuk = "Baslangiç Tarihi Bitis Tarihinden büyük  
olamaz.";
```

Description

This is BaslangicTarihiBuyuk, a member of class Sabitler.

1.2.1.5.1.2 Sabitler.BaslangicTarihiGirilmedi Field

C#

```
public const string BaslangicTarihiGirilmedi = "Baslangiç Tarihi girilmediği için bu işlem  
gerçekleştirilemez.";
```

Description

This is BaslangicTarihiGirilmedi, a member of class Sabitler.

1.2.1.5.1.3 Sabitler.BaslangicVeyaBitisTarihiGirilmedi Field

C#

```
public const string BaslangicVeyaBitisTarihiGirilmedi = "Baslangiç Tarihi veya Bitis Tarihi  
girilmediği için bu işlem gerçekleştirilemez.";
```

Description

```
public const string BitisTarihiGirilmedi = "Bitis Tarihi girilmediği için bu işlem gerçekleştirilemez.";
```

1.2.1.5.1.4 Sabitler.EPostaAdresiGecerli Field

C#

```
public const string EPostaAdresiGecerli = "Girilen e-posta adresi geçerli bir e-posta  
adresidir";
```

Description

This is EPostaAdresiGecerli, a member of class Sabitler.

1.2.1.5.1.5 Sabitler.EPostaAdresiGecerliDegil Field

C#

```
public const string EPostaAdresiGecerliDegil = "Girilen e-posta adresi geçerli bir e-posta  
adresidir";
```


Description

This is EPostaAdresiGecerliDegil, a member of class Sabitler.

1.2.1.5.1.6 Sabitler.MetinGirilmedi Field**C#**

```
public const string MetinGirilmedi = "Metin girilmedigi için bu işlem gerçekleştirilemez.";
```

Description

This is MetinGirilmedi, a member of class Sabitler.

1.2.1.5.1.7 Sabitler.MetinIbanNoDegil Field**C#**

```
public const string MetinIbanNoDegil = "Girilen metin 26 karakter olmadigi için bu işlem gerçekleştirilemez.";
```

Description

This is MetinIbanNoDegil, a member of class Sabitler.

1.2.1.5.1.8 Sabitler.MetinSayisalDegil Field**C#**

```
public const string MetinSayisalDegil = "Girilen metin sayisal bir deger olmadigi için bu işlem gerçekleştirilemez.";
```

Description

This is MetinSayisalDegil, a member of class Sabitler.

1.2.1.5.1.9 Sabitler.MetinTcKimlikNoDegil Field**C#**

```
public const string MetinTcKimlikNoDegil = "Girilen metin 11 karakter olmadigi için bu işlem gerçekleştirilemez. Karakter Sayisi: ";
```

Description

This is MetinTcKimlikNoDegil, a member of class Sabitler.

1.2.1.5.1.10 Sabitler.MetinTcKimlikNoVeyaVergiNoDegil Field**C#**

```
public const string MetinTcKimlikNoVeyaVergiNoDegil = "Girilen metin 10 veya 11 karakter olmadigi için bu işlem gerçekleştirilemez.";
```

Description

This is MetinTcKimlikNoVeyaVergiNoDegil, a member of class Sabitler.

1.2.1.5.1.11 Sabitler.SifrelenecekMetinGirilmedi Field**C#**

```
public const string SifrelenecekMetinGirilmedi = "Sifrelenecek metin girilmedigi için bu işlem gerçekleştirilemez.";
```

Description

This is SifrelenecekMetinGirilmedi, a member of class Sabitler.

1.2.1.5.1.12 Sabitler.SifreMetniGirilmedi Field

C#

```
public const string SifreMetniGirilmedi = "Sifre metni girilmedigi için bu işlem gerçekleştirilemez.";
```

Description

This is SifreMetniGirilmedi, a member of class Sabitler.

1.2.1.6 SayıIslemleri Class

Sayısal veri kontrol metotlarını barındıran sınıf

Class Hierarchy

CSharpHelperMethodsLibrary.SayıIslemleri

C#

```
public static class SayiIslemleri;
```

File

SayıIslemleri.cs (see page 104)

SayıIslemleri Methods

	Name	Description
💡💡💡	AltiHaneliOnayKoduOlustur (see page 55)	Sadece rakamlardan oluşan 6 haneli random sayı üreten metottur.
💡💡💡	SayiHalineCevir (see page 56)	Ekrandan alınan string değerde virgöl olduğundan ajax metodu patladığı için Burada string olarak tutar verisi alınıyor Ve decimale çevriliyor
💡💡💡	SayısalMi (see page 56)	Girilen bir metnin sayı olup olmadığını kontrol eden metottur.
💡💡💡	SayıYazıyaCevir (see page 56)	Elimizdeki tutar verilerinin Yazı formatında gösterilmesini sağlayacak bir metottur
💡💡💡	text.All (see page 58)	This is text.All, a member of class SayıIslemleri.

1.2.1.6.1 SayıIslemleri Methods

1.2.1.6.1.1 SayıIslemleri.AltiHaneliOnayKoduOlustur Method

Sadece rakamlardan oluşan 6 haneli random sayı üreten metottur.

C#

```
public static string AltıHaneliOnayKoduOlustur();
```

Returns

6 Haneli Onay Kodu

Body Source

```
1: public static string AltıHaneliOnayKoduOlustur()
2: {
3:     var rastgele = new Random();
4:     var sb = new StringBuilder();
5:     for (var i = 0; i < 6; i++)
6:     {
7:         var ascii = rastgele.Next(48, 57); //Rakamlar
8:         var karakter = Convert.ToChar(ascii);
```

```

9:         sb.Append(karakter);
10:     }
11:
12:     return sb.ToString();
13: }

```

1.2.1.6.1.2 SayıIslemleri.SayıHalineCevir Method

Ekrandan alınan string degerde virgül olduğundan ajax metodu patladığı için Burada string olarak tutar verisi alınıyor Ve decimala çevriliyor

C#

```
public static decimal SayiHalineCevir(string metin);
```

Parameters

Parameters	Description
string metin	Girilen String Deger

Returns

Decimal Deger

Body Source

```

1: public static decimal SayiHalineCevir(string metin)
2: {
3:     decimal val;
4:     if (metin.Contains("_") || metin.Contains(".") || metin.Contains(","))
5:     {
6:         if (!decimal.TryParse(metin.Replace(",", "").Replace(".", "").Replace("_", ""),
NumberStyles.Number,
7:             CultureInfo.InvariantCulture, out val))
8:             return 0;
9:         return val / 100;
10:    }
11:
12:    var value = decimal.TryParse(metin.Replace(",", "").Replace(".", "").Replace("_",
13:        ""), NumberStyles.Number,
14:        CultureInfo.InvariantCulture, out val);
15:    return value ? val : 0;
16: }

```

1.2.1.6.1.3 SayıIslemleri.SayisalMi Method

Girilen bir metnin sayı olup olmadığını kontrol eden metottur.

C#

```
public static bool SayisalMi(string text);
```

Parameters

Parameters	Description
string text	Girdi metni

Returns

Girilen Metnin Sayisal Olup Olmadığı Bilgisi

1.2.1.6.1.4 SayıIslemleri.SayıYazıyaCevir Method

Elimizdeki tutar verilerinin Yazı formatında gösterilmesini sağlayacak bir metottur

C#

```
public static string SayiYazıyaCevir(decimal tutar);
```

Parameters

Parameters	Description
decimal tutar	Girilen Sayı Bilgisi

Returns

Sayinin Yazıya Dönüştürülmüş Hali

Body Source

```

1: public static string SayiyiYaziyaCevir(decimal tutar)
2: {
3:     var sTutar = tutar.ToString("F2").Replace('.', ','); // Replace('.', ',') ondalik
    ayracinin . olma durumu için
4:     var lira = sTutar.Substring(0, sTutar.IndexOf(',')); //tutarin tam kısmi
5:     var kurus = sTutar.Substring(sTutar.IndexOf(',') + 1, 2);
6:     var yazi = new StringBuilder();
7:
8:     var birler = new[] { "", "BİR", "İKİ", "ÜÇ", "DÖRT", "BES", "ALTI", "YEDİ", "SEKİZ",
    "DOKUZ" };
9:     var onlar = new[] { "", "ON", "YIRMI", "OTUZ", "KIRK", "ELLİ", "ALTMIS", "YETMİS",
    "SEKSEN", "DOKSAN" };
10:    var binler = new[] { "KENTRİLYON", "KATRİLYON", "TRİLYON", "MİLYAR", "MİLYON",
    "BİN", "" };
11:
12:    const int grupSayisi = 7;
13:    //sayidaki 3'lü grup sayisi. katrilyon içi 6. (1.234,00 daki grup sayisi 2'dir.)
14:    //KATRİLYON'un basına ekleyeceginiz her deger için grup sayisini artiriniz.
15:
16:    lira = lira.PadLeft(grupSayisi * 3, '0'); //sayinin soluna '0' eklenerek sayi 'grup
    sayisi x 3' basakmakli yapiliyor.
17:
18:    for (var i = 0; i < grupSayisi * 3; i += 3) //sayi 3'erli gruplar halinde ele
    aliniyor.
19:    {
20:        var grupDegeri = new StringBuilder();
21:
22:        if (lira.Substring(i, 1) != "0")
23:            grupDegeri.Append(birler[Convert.ToInt32(lira.Substring(i, 1))] + "YÜZ");
    //yüzler
24:        if (grupDegeri.ToString().Equals("BİRÜZ"))
25:            grupDegeri.Replace("BİRÜZ", "YÜZ");
26:        grupDegeri.Append(onlar[Convert.ToInt32(lira.Substring(i + 1, 1))]); //onlar
27:        grupDegeri.Append(birler[Convert.ToInt32(lira.Substring(i + 2,
    1))]); //birler
28:        if (grupDegeri.Length > 0) //binler
29:            grupDegeri.Append(binler[i / 3]);
30:        if (grupDegeri.ToString().Equals("BİRİN"))
31:            grupDegeri.Replace("BİRİN", "BİN");
32:
33:        yazi.Append(grupDegeri);
34:    }
35:
36:    if (yazi.Length > 0)
37:        yazi.Append(" TL ");
38:
39:    var yaziUzunlugu = yazi.Length;
40:
41:    if (kurus.Substring(0, 1) != "0") //kurus onlar
42:        yazi.Append(onlar[Convert.ToInt32(kurus.Substring(0, 1))]);
43:
44:    if (kurus.Substring(1, 1) != "0") //kurus birler
45:        yazi.Append(birler[Convert.ToInt32(kurus.Substring(1, 1))]);
46:
47:    yazi.Append(yazi.Length > yaziUzunlugu ? " KR." : "SIFIR KR.");
48:
49:    return yazi.ToString();

```

```
50: }
```

1.2.1.6.1.5 Sayislemeleri.text.All Method

C#

```
private > text.All(char.IsNumber);
```

Description

This is text.All, a member of class Sayislemeleri.

1.2.1.7 Sifrelemelslemeleri Class

Sifre ile ilgili islemler sinifi

Class Hierarchy

CSharpHelperMethodsLibrary.Sifrelemelslemeleri

C#

```
public static class SifrelemeIslemleri;
```

File

Sifrelemelslemeleri.cs (see page 107)

Sifrelemelslemeleri Methods

	Name	Description
💎💎💎	HesaplaMD5 (see page 58)	Kullanici sifresinin MD5 yöntemiyle sifrlenmesini saglayan metottur.
💎💎💎	HesaplaSHA256 (see page 59)	Kullanici sifresinin SHA yöntemiyle sifrlenmesini saglayan metottur.
💎💎💎	HesaplaSHA512 (see page 59)	Kullanici sifresinin SHA yöntemiyle sifrlenmesini saglayan metottur.
💎💎💎	RastgeleSifreUret (see page 60)	8 karakter uzunlugunda Rastgele sifre olusturur.
💎💎💎	SifreUygunMu (see page 60)	sifreyi kriterlere göre kontrol edip uymayan kosullarini string listesine geri dönuş yapan methoddur. Uygun olmasi durumunda null döndürecektir.

1.2.1.7.1 Sifrelemelslemeleri Methods

1.2.1.7.1.1 Sifrelemelslemeleri.HesaplaMD5 Method

Kullanici sifresinin MD5 yöntemiyle sifrlenmesini saglayan metottur.

C#

```
public static string HesaplaMD5(string text);
```

Parameters

Parameters	Description
string text	Sifrelenecek Metin

Returns

Girdi Metninin Sifrlenmis Hali

Body Source

```
1: public static string HesaplaMD5(string text)
2: {
3:     var md5 = MD5.Create();
4:     var inputBytes = Encoding.ASCII.GetBytes(text);
5:     var hash = md5.ComputeHash(inputBytes);
```

```

6:
7:     var sb = new StringBuilder();
8:     foreach (var t in hash)
9:     {
10:         sb.Append(t.ToString("X2"));
11:     }
12:     return sb.ToString();
13: }

```

1.2.1.7.1.2 Sifrelemelslemleri.HesaplaSHA256 Method

Kullanici sifresinin SHA yöntemiyle sifrenmesini saglayan metottur.

C#

```
public static string HesaplaSHA256(string text);
```

Parameters

Parameters	Description
string text	Sifrelenecek Metin

Returns

Girdi Metninin Sifrenmis Hali

Body Source

```

1: public static string HesaplaSHA256(string text)
2: {
3:     var sha256 = SHA256.Create();
4:     var bytes = Encoding.UTF8.GetBytes(text);
5:     var hash = sha256.ComputeHash(bytes);
6:     var result = new StringBuilder();
7:     foreach (var t in hash)
8:     {
9:         result.Append(t.ToString("X2"));
10:    }
11:    return result.ToString();
12: }

```

1.2.1.7.1.3 Sifrelemelslemleri.HesaplaSHA512 Method

Kullanici sifresinin SHA yöntemiyle sifrenmesini saglayan metottur.

C#

```
public static string HesaplaSHA512(string text);
```

Parameters

Parameters	Description
string text	Sifrelenecek Metin

Returns

Girdi Metninin Sifrenmis Hali

Body Source

```

1: public static string HesaplaSHA512(string text)
2: {
3:     var sha512 = new SHA512Managed();
4:     var encryptedSha512 = sha512.ComputeHash(Encoding.UTF8.GetBytes(text));
5:     var strHex = encryptedSha512.Aggregate("", (current, b) => $"{current}{b:x2}");
6:     return strHex.ToUpper();
7: }

```

1.2.1.7.1.4 Sifrelemelslemleri.RastgeleSifreUret Method

8 karakter uzunlugunda Rastgele sifre olusturur.

C#

```
public static string RastgeleSifreUret();
```

Returns

Sifrelenmis Metin Bilgisi

Body Source

```
1: public static string RastgeleSifreUret()
2: {
3:     var sifreUzunluk = 8;
4:     const string gecerliKarakterler = "abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ1234567890";
5:     var sifre = new StringBuilder(100);
6:     var random = new Random();
7:     while (0 < sifreUzunluk--)
8:     {
9:         sifre.Append(gecerliKarakterler[random.Next(gecerliKarakterler.Length)]);
10:    }
11:    return sifre.ToString();
12: }
```

1.2.1.7.1.5 Sifrelemelslemleri.SifreUygunMu Method

sifreyi kriterlere göre kontrol edip uymayan kosullarini string listesine geri dönüş yapan methoddur. Uygun olmasi durumunda null döndürecektir.

C#

```
public static string SifreUygunMu(string text);
```

Parameters

Parameters	Description
string text	Kullanici Sifresi

Returns

Sifrenin Uygun Olup Olmadigi Bilgisi (Açiklamasi ile beraber)

Body Source

```
1: public static string SifreUygunMu(string text)
2: {
3:     //bu kisimda sifrenin olmasi gereken kosullari degerlendirilecek.
4:     var mesajlar = new List<string>();
5:
6:     if (text.Length < 8)
7:         mesajlar.Add("Parola en az 8 karakter olmalidir.");
8:
9:     if (!Regex.IsMatch(text, @"^(?=.*[a-z])", RegexOptions.ECMAScript))
10:        mesajlar.Add("Parola en az bir küçük harf içermelidir.");
11:
12:     if (!Regex.IsMatch(text, @"^(?=.*[A-Z])", RegexOptions.ECMAScript))
13:        mesajlar.Add("Parola en az bir büyük harf içermelidir.");
14:
15:     if (!Regex.IsMatch(text, @"^(?=.*[!@#$$%^&*?_~,-,£,(,)]",
16:        RegexOptions.ECMAScript))
17:        mesajlar.Add("Parola en az bir noktalama isareti içermelidir.");
18:
19:     if (!Regex.IsMatch(text, @"^(?=.*[0-9])", RegexOptions.ECMAScript))
20:        mesajlar.Add("Parola en az bir rakam içermelidir.");
21:
22:     if (mesajlar.Count < 1)
23:         return "Uygun";
```

```

23:     var sonuc = mesajlar.Aggregate("", (current, item) => current + item + ", ");
24:     sonuc = sonuc.Substring(0, sonuc.Length - 2);
25:     return sonuc;
26: }

```

1.2.1.8 Siralamalslemleri Class

Alfa numerik siralama için hazırlanmış bir metod

Class Hierarchy

CSharpHelperMethodsLibrary.Siralamalslemleri


C#

```
public static class SiralamaIslemleri;
```



File

Siralamalslemleri.cs (see page 109)

Siralamalslemleri Enumerations

	Name	Description
	ChunkType (see page 61)	This is record CSharpHelperMethodsLibrary.Siralamalslemleri.ChunkType.

Siralamalslemleri Methods

	Name	Description
	Compare (see page 61)	This is Compare, a member of class Siralamalslemleri.
	InChunk (see page 63)	This is InChunk, a member of class Siralamalslemleri.

1.2.1.8.1 Siralamalslemleri Enumerations

1.2.1.8.1.1 CSharpHelperMethodsLibrary.Siralamalslemleri.ChunkType Enumeration

C#

```

private enum ChunkType {
    Alphanumeric,
    Numeric
}

```

File

Siralamalslemleri.cs (see page 109)

Description

This is record CSharpHelperMethodsLibrary.Siralamalslemleri.ChunkType.

1.2.1.8.2 Siralamalslemleri Methods

1.2.1.8.2.1 Siralamalslemleri.Compare Method

C#

```
public static int Compare(string x, string y);
```

Description

This is Compare, a member of class Siralamalslemleri.

Body Source

```
1: public static int Compare(string x, string y)
2: {
3:     if (IsNullOrEmpty(x) || IsNullOrEmpty(y)) return 0;
4:     var thisMarker = 0;
5:     var thatMarker = 0;
6:
7:     while (thisMarker < x.Length || thatMarker < y.Length)
8:     {
9:         if (thisMarker >= x.Length)
10:        {
11:            return -1;
12:        }
13:        if (thatMarker >= y.Length)
14:        {
15:            return 1;
16:        }
17:
18:        var thisCh = x[thisMarker];
19:        var thatCh = y[thatMarker];
20:
21:        var thisChunk = new StringBuilder();
22:        var thatChunk = new StringBuilder();
23:
24:        while (thisMarker < x.Length && (thisChunk.Length == 0 || InChunk(thisCh,
thisChunk[0])))
25:        {
26:            thisChunk.Append(thisCh);
27:            thisMarker++;
28:
29:            if (thisMarker < x.Length)
30:            {
31:                thisCh = x[thisMarker];
32:            }
33:        }
34:
35:        while (thatMarker < y.Length && (thatChunk.Length == 0 || InChunk(thatCh,
thatChunk[0])))
36:        {
37:            thatChunk.Append(thatCh);
38:            thatMarker++;
39:
40:            if (thatMarker < y.Length)
41:            {
42:                thatCh = y[thatMarker];
43:            }
44:        }
45:
46:        var result = 0;
47:        // If both chunks contain numeric characters, sort them numerically
48:        if (char.IsDigit(thisChunk[0]) && char.IsDigit(thatChunk[0]))
49:        {
50:            var thisNumericChunk = Convert.ToInt64(thisChunk.ToString());
51:            var thatNumericChunk = Convert.ToInt64(thatChunk.ToString());
52:
53:            if (thisNumericChunk < thatNumericChunk)
54:            {
55:                result = -1;
56:            }
57:
58:            if (thisNumericChunk > thatNumericChunk)
59:            {
60:                result = 1;
61:            }
62:        }
63:        else
64:        {
```

```

65:         var ci = new CultureInfo("tr-TR");
66:         result = String.Compare(thisChunk.ToString(), thatChunk.ToString(), true,
67:             ci);
68:         //result = thisChunk.ToString().CompareTo(thatChunk.ToString());
69:     }
70:
71:     if (result == 0) continue;
72:     return result;
73: }
74: return 0;
75: }

```

1.2.1.8.2.2 Siralamalslemleri.InChunk Method

C#

```
private static bool InChunk(char ch, char otherCh);
```

Description

This is InChunk, a member of class Siralamalslemleri.

Body Source

```

1: private static bool InChunk(char ch, char otherCh)
2: {
3:     var type = ChunkType.Alphanumeric;
4:
5:     if (char.IsDigit(otherCh))
6:     {
7:         type = ChunkType.Numeric;
8:     }
9:
10:    return (type != ChunkType.Alphanumeric || !char.IsDigit(ch)) && (type !=
ChunkType.Numeric || char.IsDigit(ch));
11: }

```

1.2.1.9 TarihIslemleri Class

Tarihsel veri kontrol metotlarini barindiran sinif

Class Hierarchy

CSharpHelperMethodsLibrary.TarihIslemleri

C#

```
public static class TarihIslemleri;
```

File

TarihIslemleri.cs (see page 110)

TarihIslemleri Methods

	Name	Description
💰💰	AyFarki (see page 64)	Girilen iki tarih arasinda kaç ay oldugunu bulan metottur
💰💰	KidemTazminatıTarihAraligiHesapla (see page 64)	Kidem Tazminatı Hesaplama Yapilirken ayda kaç gün olursa olsun tamamında çalışmissa 30 gün üzerinden hesaplanması gerektiği için İsten ayrılıs ve is baslangıç tarihleri arasında kaç gün geçtiğini belirtmek için Hesaplama yapılmasını saglayan metottur.
💰💰	Math.Abs (see page 65)	This is Math.Abs, a member of class TarihIslemleri.
💰💰	TarihAraligiHesapla (see page 65)	İki tarih arasinda kaç gün oldugunu hesaplamak için kullanılan metottur
💰💰	YasHesapla (see page 66)	Yas hesaplamak için kullanılan metottur
💰💰	YasHesaplaMetinsel (see page 66)	Yas hesaplamak için kullanılan metottur

	ZamaniDegistir (see page 67)	Filtre ekranlarında başlangıç ve bitis tarihi üzerinden sorgulama yapıldığında Eger aynı gün için sorgulama yapılıyorsa Bitis tarihini o günün 23.59.59.999'una ayarlamak için Hazırlanan metottur
--	------------------------------	--

1.2.1.9.1 Tarihslemleri Methods

1.2.1.9.1.1 Tarihslemleri.AyFarki Method

Girilen iki tarih arasında kaç ay olduğunu bulan metottur

C#

```
public static int AyFarki(DateTime lValue, DateTime rValue);
```

Parameters

Parameters	Description
DateTime lValue	İlk tarih bilgisi
DateTime rValue	Son tarih bilgisi

Returns

Ay Farki Bilgisi

1.2.1.9.1.2 Tarihslemleri.KidemTazminatıTarihAralığıHesapla Method

Kidem Tazminatı Hesaplaması Yapılırken ayda kaç gün olursa olsun tamamında çalışmıssa 30 gün üzerinden hesaplanması gerektiği için İsten ayrılış ve iş başlangıç tarihleri arasında kaç gün geçtiğini belirtmek için Hesaplama yapılmasını sağlayan metottur.

C#

```
public static int KidemTazminatıTarihAralığıHesapla(DateTime? baslangicTarihi, DateTime? bitisTarihi);
```

Parameters

Parameters	Description
DateTime? baslangicTarihi	Başlangıç Tarihi Bilgisi
DateTime? bitisTarihi	Bitis Tarihi Bilgisi

Returns

Gün Sayısı Bilgisi

Body Source

```
1: public static int KidemTazminatıTarihAralığıHesapla(DateTime? baslangicTarihi,
2: DateTime? bitisTarihi)
3: {
4:     var artacakMi = true;
5:     var result = 0;
6:     var baslangicMi = false;
7:     var bitisMi = false;
8:     var aylıkGünSayısı = 0;
9:     for (var date = (DateTime)baslangicTarihi; date <= (DateTime)bitisTarihi; date =
10: date.AddDays(1))
11:     {
12:         if (!artacakMi)
13:             result++;
14:         else
15:             artacakMi = false;
16:         if (date.Day == 1)
17:             baslangicMi = true;
```

```

17:         else if (date.Day == DateTime.DaysInMonth(date.Year, date.Month))
18:             bitisMi = true;
19:
20:         if (baslangicMi)
21:             aylikGunSayisi++;
22:         if (baslangicMi && bitisMi && aylikGunSayisi != 30)
23:         {
24:             result = result - aylikGunSayisi + 30;
25:             baslangicMi = false;
26:             bitisMi = false;
27:             aylikGunSayisi = 0;
28:         }
29:         else if (bitisMi)
30:         {
31:             baslangicMi = false;
32:             bitisMi = false;
33:             aylikGunSayisi = 0;
34:         }
35:     }
36: }
37: if (baslangicTarihi.Value.Day > bitisTarihi.Value.Day)
38:     result--;
39: return result;
40: }

```

1.2.1.9.1.3 Tarihslemleri.Math.Abs Method

C#

```
private > Math.Abs(lValue.Month - rValue.Month + 12 * (lValue.Year - rValue.Year));
```

Description

This is Math.Abs, a member of class Tarihslemleri.

1.2.1.9.1.4 Tarihslemleri.TarihAraligiHesapla Method

İki tarih arasında kaç gün olduğunu hesaplamak için kullanılan metottur

C#

```
public static string TarihAraligiHesapla(DateTime baslangicTarihi, DateTime bitisTarihi);
```

Parameters

Parameters	Description
DateTime baslangicTarihi	Baslangıç Tarihi Bilgisi
DateTime bitisTarihi	Bitis Tarihi Bilgisi

Returns

Tarih Aralığı Bilgisi

Body Source

```

1: public static string TarihAraligiHesapla(DateTime baslangicTarihi, DateTime bitisTarihi)
2: {
3:     var years = new DateTime(bitisTarihi.Subtract(baslangicTarihi).Ticks).Year - 1;
4:     var pastYearDate = baslangicTarihi.AddYears(years);
5:     var months = 0;
6:     for (var i = 1; i <= 12; i++)
7:     {
8:         if (pastYearDate.AddMonths(i) == bitisTarihi)
9:         {
10:             months = i;
11:             break;
12:         }
13:     }
14:     if (pastYearDate.AddMonths(i) < bitisTarihi) continue;

```

```

15:         months = i - 1;
16:         break;
17:     }
18:     var days = bitisTarihi.Subtract(pastYearDate.AddMonths(months)).Days;
19:     var result = new StringBuilder();
20:     result.Append(years.ToString().PadLeft(2, '0'));
21:     result.Append(" Yil, ");
22:     result.Append(months.ToString().PadLeft(2, '0'));
23:     result.Append(" Ay, ");
24:     result.Append(days.ToString().PadLeft(2, '0'));
25:     result.Append(" Gün");
26:     return result.ToString();
27: }

```

1.2.1.9.1.5 TarihIslemleri.YasHesapla Method

Yas hesaplamak için kullanılan metottur

C#

```
public static int YasHesapla(DateTime dogumTarihi);
```

Parameters

Parameters	Description
DateTime dogumTarihi	Dogum Tarihi Bilgisi

Returns

Yas Bilgisi

Body Source

```

1: public static int YasHesapla(DateTime dogumTarihi)
2: {
3:     var now = DateTime.Now;
4:     var years = new DateTime(DateTime.Now.Subtract(dogumTarihi).Ticks).Year - 1;
5:     var pastYearDate = dogumTarihi.AddYears(years);
6:     for (var i = 1; i <= 12; i++)
7:     {
8:         if (pastYearDate.AddMonths(i) == now)
9:             break;
10:        if (pastYearDate.AddMonths(i) < now) continue;
11:        break;
12:    }
13:    return years;
14: }

```

1.2.1.9.1.6 TarihIslemleri.YasHesaplaMetinsel Method

Yas hesaplamak için kullanılan metottur

C#

```
public static string YasHesaplaMetinsel(DateTime dogumTarihi);
```

Parameters

Parameters	Description
DateTime dogumTarihi	Dogum Tarihi Bilgisi

Returns

Yas Bilgisi (Metinsel olarak)

Body Source

```

1: public static string YasHesaplaMetinsel(DateTime dogumTarihi)
2: {
3:     var now = DateTime.Now;
4:     var years = new DateTime(DateTime.Now.Subtract(dogumTarihi).Ticks).Year - 1;

```

```

5:     var pastYearDate = dogumTarihi.AddYears(years);
6:     var months = 0;
7:     for (var i = 1; i <= 12; i++)
8:     {
9:         if (pastYearDate.AddMonths(i) == now)
10:        {
11:            months = i;
12:            break;
13:        }
14:
15:        if (pastYearDate.AddMonths(i) < now) continue;
16:        months = i - 1;
17:        break;
18:    }
19:    var days = now.Subtract(pastYearDate.AddMonths(months)).Days;
20:    // var hours = now.Subtract(pastYearDate).Hours;
21:    // var minutes = now.Subtract(pastYearDate).Minutes;
22:    // var seconds = now.Subtract(pastYearDate).Seconds;
23:    return $"Yas: {years} Yil {months} Ay {days} Gün";
24:    //return String.Format("Yas: {0} Yil {1} Ay {2} Gün {3} Saat {4} Saniye",
25:    //years, months, Days, Hours, Seconds);
26: }

```

1.2.1.9.1.7 Tarihslemleri.ZamaniDegistir Method

Filtre ekranlarında başlangıç ve bitis tarihi üzerinden sorgulama yapıldığında Eger aynı gün için sorgulama yapılıyorsa Bitis tarihini o günün 23.59.59.999'una ayarlamak için Hazırlanan metottur

C#

```

public static DateTime ZamaniDegistir(this DateTime dateTime, int hours, int minutes, int
seconds, int milliseconds);

```

Parameters

Parameters	Description
this DateTime dateTime	Tarih Bilgisi
int hours	Saat Bilgisi
int minutes	Dakika Bilgisi
int seconds	Saniye Bilgisi
int milliseconds	Mili Saniye Bilgisi

Returns

Yeni Tarih Bilgisi

Body Source

```

1: public static DateTime ZamaniDegistir(this DateTime dateTime, int hours, int minutes,
int seconds, int milliseconds)
2: {
3:     return new DateTime(
4:         dateTime.Year,
5:         dateTime.Month,
6:         dateTime.Day,
7:         hours,
8:         minutes,
9:         seconds,
10:        milliseconds,
11:        dateTime.Kind);
12: }

```

1.3 Files

The following table lists files in this documentation.

Files

Name	Description
AssemblyInfo.cs (see page 68)	This is file AssemblyInfo.cs.
CSharpHelperMethods.csproj (see page 69)	This is file CSharpHelperMethods.csproj.
CSharpHelperMethods.sln (see page 69)	This is file CSharpHelperMethods.sln.
CSharpHelperMethodsLibrary.csproj (see page 69)	This is file CSharpHelperMethodsLibrary.csproj.
DataTableIslemleri.cs (see page 69)	This is file DataTableIslemleri.cs.
Dosyalslemleri.cs (see page 71)	This is file Dosyalslemleri.cs.
FrmAnaSayfa.cs (see page 74)	This is file FrmAnaSayfa.cs.
FrmAnaSayfa.Designer.cs (see page 83)	This is file FrmAnaSayfa.Designer.cs.
KisiIslemleri.cs (see page 96)	This is file KisiIslemleri.cs.
MetinIslemleri.cs (see page 97)	This is file MetinIslemleri.cs.
Program.cs (see page 101)	This is file Program.cs.
Resources.Designer.cs (see page 102)	This code was generated by a tool. Runtime Version:4.0.30319.42000 Changes to this file may cause incorrect behavior and will be lost if the code is regenerated.
Sabitler.cs (see page 103)	This is file Sabitler.cs.
SayIslemleri.cs (see page 104)	This is file SayIslemleri.cs.
Settings.Designer.cs (see page 106)	This code was generated by a tool. Runtime Version:4.0.30319.42000 Changes to this file may cause incorrect behavior and will be lost if the code is regenerated.
Sifrelemelslemleri.cs (see page 107)	This is file Sifrelemelslemleri.cs.
Siralamalslemleri.cs (see page 109)	This is file Siralamalslemleri.cs.
TarihIslemleri.cs (see page 110)	This is file TarihIslemleri.cs.

1.3.1 AssemblyInfo.cs

This is file AssemblyInfo.cs.

Body Source

```

1: ?using System.Reflection;
2: using System.Runtime.InteropServices;
3:
4: // General Information about an assembly is controlled through the following
5: // set of attributes. Change these attribute values to modify the information
6: // associated with an assembly.
7: [assembly: AssemblyTitle("CSharpHelperMethodsLibrary")]
8: [assembly: AssemblyDescription("")]
9: [assembly: AssemblyConfiguration("")]
10: [assembly: AssemblyCompany("")]
11: [assembly: AssemblyProduct("CSharpHelperMethodsLibrary")]
12: [assembly: AssemblyCopyright("Copyright © 2022")]
13: [assembly: AssemblyTrademark("")]
14: [assembly: AssemblyCulture("")]

```

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```

15:
16: // Setting ComVisible to false makes the types in this assembly not visible
17: // to COM components. If you need to access a type in this assembly from
18: // COM, set the ComVisible attribute to true on that type.
19: [assembly: ComVisible(false)]
20:
21: // The following GUID is for the ID of the typelib if this project is exposed to COM
22: [assembly: Guid("06F5D9A1-3B03-4A3E-841E-39A3AE0AFF66")]
23:
24: // Version information for an assembly consists of the following four values:
25: //
26: //      Major Version
27: //      Minor Version
28: //      Build Number
29: //      Revision
30: //
31: // You can specify all the values or you can default the Build and Revision Numbers
32: // by using the '*' as shown below:
33: // [assembly: AssemblyVersion("1.0.*")]
34: [assembly: AssemblyVersion("1.0.0.0")]
35: [assembly: AssemblyFileVersion("1.0.0.0")]

```

1.3.2 CSharpHelperMethods.csproj

This is file CSharpHelperMethods.csproj.

1.3.3 CSharpHelperMethods.sln

This is file CSharpHelperMethods.sln.

1.3.4 CSharpHelperMethodsLibrary.csproj

This is file CSharpHelperMethodsLibrary.csproj.

1.3.5 DataTableIslemleri.cs

This is file DataTableIslemleri.cs.

Body Source

```

1: ?using System;
2: using System.Collections.Generic;
3: using System.Data;
4: using System.Reflection;
5:
6: namespace CSharpHelperMethodsLibrary
7: {
8:     /// <summary>
9:     /// Raporlama için لازم olan DataTable vb. verilerin düzenlenmesini saglayan
10:     /// </summary>
11:     public static class DataTableIslemleri

```

```

12:     {
13:         /// <summary>
14:         /// Parametre olarak girilen herhangi bir sinif türünden listeyi
15:         /// Idael bir sekilde Nullable alan içermeyen bir DataTable'a çevirmek için
kullanilan metottur.
16:         /// </summary>
17:         /// <typeparam name="T">Generic Nesne Tipi</typeparam>
18:         /// <param name="liste">Liste Bilgisi</param>
19:         /// <returns>DataTable cinsinde Nesne</returns>
20:         public static DataTable ToDataTable<T>(List<T> liste)
21:         {
22:             try
23:             {
24:                 var sonuc = new DataTable(typeof(T).Name);
25:
26:                 var ozellikler = typeof(T).GetFields(BindingFlags.Public |
BindingFlags.CreateInstance | BindingFlags.Default | BindingFlags.DeclaredOnly |
BindingFlags.ExactBinding | BindingFlags.FlattenHierarchy | BindingFlags.IgnoreReturn |
BindingFlags.Instance | BindingFlags.InvokeMethod | BindingFlags.NonPublic |
BindingFlags.OptionalParamBinding | BindingFlags.SuppressChangeType);
27:
28:                 var ozellikler2 = typeof(T).GetProperties(BindingFlags.Public |
BindingFlags.CreateInstance | BindingFlags.Default | BindingFlags.DeclaredOnly |
BindingFlags.ExactBinding | BindingFlags.FlattenHierarchy | BindingFlags.IgnoreReturn |
BindingFlags.Instance | BindingFlags.InvokeMethod | BindingFlags.NonPublic |
BindingFlags.OptionalParamBinding | BindingFlags.SuppressChangeType);
29:
30:                 foreach (var ozellik in ozellikler)
31:                 {
32:                     var varMi = false;
33:                     foreach (var ozellik2 in ozellikler2)
34:                     {
35:                         if (!ozellik.Name.Contains(ozellik2.Name)) continue;
36:                         varMi = true;
37:                         var ozellikAdi = ozellik.Name.Replace("<", "");
38:                         var ozellikDizi = ozellikAdi.Split('>');
39:                         var ozellikTemp = ozellikDizi[0].Trim();
40:                         //ozellikTemp = ozellikTemp.Substring(0, ozellikTemp.Length -
1);
41:                         if (ozellikTemp == ozellik2.Name)
42:                         {
43:                             if (sonuc.Columns.IndexOf(new DataColumn(ozellik2.Name))
>= 0) continue;
44:                             sonuc.Columns.Add(ozellik2.Name,
BaseType(ozellik2.PropertyType));
45:                             break;
46:                         }
47:
48:                         if (sonuc.Columns.IndexOf(new DataColumn(ozellikTemp)) >= 0)
continue;
49:                         sonuc.Columns.Add(ozellikTemp,
BaseType(ozellik2.PropertyType));
50:                         break;
51:                     }
52:
53:                     if (varMi) continue;
54:                     if (sonuc.Columns.IndexOf(new DataColumn(ozellik.Name)) < 0)
55:                     {
56:                         sonuc.Columns.Add(ozellik.Name, BaseType(ozellik.FieldType));
57:                     }
58:
59:                 }
60:
61:                 foreach (var nesne in liste)
62:                 {
63:                     var degerler = new object[ozellikler.Length];
64:
65:                     for (var i = 0; i < ozellikler.Length; i++)
66:                     {

```

```

67:         var varMi = false;
68:         foreach (var item in ozellikler2)
69:         {
70:             if (!ozellikler[i].Name.Contains(item.Name)) continue;
71:             varMi = true;
72:             degerler[i] = item.GetValue(nesne, null);
73:             break;
74:         }
75:         if (!varMi)
76:         {
77:             degerler[i] = ozellikler[i].GetValue(nesne);
78:         }
79:     }
80: }
81:
82:     sonuc.Rows.Add(degerler);
83: }
84:
85:     return sonuc;
86: }
87: catch (Exception)
88: {
89:     return null;
90: }
91: }
92:
93:     /// <summary>
94:     /// Nesnenin içindeki her hangi bir degerin (DateTime, decimal vb.)
95:     /// Eger Nullable ise, Nullable olmamasini saglayan metottur
96:     /// (Çünkü Crystal Report, Telerik vb. Nullable alan kabul etmiyor)
97:     /// </summary>
98:     /// <param name="oType">Veri Tipi</param>
99:     /// <returns>Verinin Ideal Tipi</returns>
100:     private static Type BaseType(Type oType) => oType != null && oType.IsValueType
&& oType.IsGenericType && oType.GetGenericTypeDefinition() == typeof(Nullable<>) ?
Nullable.GetUnderlyingType(oType) : oType;
101: }
102: }

```

Namespaces

Name	Description
CSharpHelperMethodsLibrary (see page 36)	This is namespace CSharpHelperMethodsLibrary.

1.3.6 Dosyalslemleri.cs

This is file Dosyalslemleri.cs.

Body Source

```

1: ?using System;
2: using System.IO;
3:
4: namespace CSharpHelperMethodsLibrary
5: {
6:     /// <summary>
7:     /// Dosya islemleri ile ilgili yardimci sinif
8:     /// </summary>
9:     public static class DosyaIslemleri
10:    {
11:        /// <summary>
12:        /// Dosya uzantisindan dosyanin türünün ne oldugunu getiren metottur
13:        /// </summary>
14:        /// <param name="extension">Dosya Uzantisi</param>
15:        /// <returns>Dosya Türü Bilgisi</returns>

```

```

16:         public static string GetirIcerikTipiDosyaUzantisiIle(string extension)
17:         {
18:             var contentType = String.Empty;
19:             extension = extension.Replace(".", "").ToLower();
20:             switch (extension)
21:             {
22:                 case "pdf": contentType = "application/pdf"; break;
23:                 case "jpeg": contentType = "image/jpeg"; break;
24:                 case "jpg": contentType = "image/jpg"; break;
25:                 case "png": contentType = "image/png"; break;
26:                 case "bmp": contentType = "image/bmp"; break;
27:                 case "doc": contentType = "application/msword"; break;
28:                 case "pptx": contentType =
"application/vnd.openxmlformats-officedocument.presentationml.presentation"; break;
29:                 case "xls": contentType = "application/vnd.ms-excel"; break;
30:                 case "txt": contentType = "text/plain"; break;
31:                 case "xlsx": contentType =
"application/vnd.openxmlformats-officedocument.spreadsheetml.sheet"; break;
32:                 case "rtf": contentType = "application/rtf"; break;
33:                 case "docx": contentType =
"application/vnd.openxmlformats-officedocument.wordprocessingml.document"; break;
34:                 case "ppt": contentType = "application/vnd.ms-powerpoint"; break;
35:                 case "zip": contentType = "application/zip"; break;
36:                 case "rar": contentType = "application/x-rar-compressed"; break;
37:                 case "7z": contentType = "application/x-7z-compressed"; break;
38:                 default: contentType = "application/octet-stream"; break;
39:             }
40:
41:             return contentType;
42:         }
43:
44:         /// <summary>
45:         /// Dosyanin türünden dosyanin uzantisinin ne oldugunu getiren metottur
46:         /// </summary>
47:         /// <param name="mimeType">Mime Type</param>
48:         /// <returns>Dosya Türü Bilgisi</returns>
49:         public static string GetirDosyaUzantisiMimeTypeIle(string mimeType)
50:         {
51:             string dosyaUzantisi;
52:             mimeType = mimeType.ToLower();
53:             switch (mimeType)
54:             {
55:                 case "application/pdf": dosyaUzantisi = "pdf"; break;
56:                 case "image/jpeg": dosyaUzantisi = "jpeg"; break;
57:                 case "image/jpg": dosyaUzantisi = "jpg"; break;
58:                 case "image/png": dosyaUzantisi = "png"; break;
59:                 case "image/bmp": dosyaUzantisi = "bmp"; break;
60:                 case "application/msword": dosyaUzantisi = "doc"; break;
61:                 case "application / vnd.openxmlformats -
officedocument.presentationml.presentation": dosyaUzantisi = "pptx"; break;
62:                 case "application/vnd.ms-excel": dosyaUzantisi = "xls"; break;
63:                 case "text/plain": dosyaUzantisi = "txt"; break;
64:                 case
"application/vnd.openxmlformats-officedocument.spreadsheetml.sheet": dosyaUzantisi =
"xlsx"; break;
65:                 case
"application/vnd.openxmlformats-officedocument.wordprocessingml.document": dosyaUzantisi =
"docx"; break;
66:                 case "text/xml": dosyaUzantisi = "xml"; break;
67:                 case "application/vnd.ms-powerpoint": dosyaUzantisi = "ppt"; break;
68:                 case "application/zip": dosyaUzantisi = "zip"; break;
69:                 case "application/x-rar-compressed": dosyaUzantisi = "rar"; break;
70:                 case "application/x-7z-compressed": dosyaUzantisi = "7z"; break;
71:                 default: dosyaUzantisi = "error"; break;
72:             }
73:
74:             return dosyaUzantisi;
75:         }
76:

```

```

77:         /// <summary>
78:         /// Sisteme yüklenecek dosyanın belirlenen kriterlere uyup uymadığını kontrol
eden metottur.
79:         /// Dosyanın uzantısı istediğimiz formatta değilse yanlış olarak geri
döndürecektir.s
80:         /// </summary>
81:         /// <param name="extension">Dosya Uzantısı</param>
82:         /// <returns>Eklenicek Dosyanın Uygun Olup Olmadığı Bilgisi</returns>
83:         public static bool DosyaUzantisiUygunMu(string extension)
84:         {
85:             extension = extension.ToLower();
86:
87:             return extension == ".jpg" || extension == ".bmp" || extension == ".png"
|| extension == ".doc" || extension == ".docx" || extension == ".ppt" || extension ==
".pptx" || extension == ".xls" || extension == ".xlsx" || extension == ".rar" || extension
== ".zip" || extension == ".7z" || extension == ".pdf" || extension == ".txt" || extension
== ".rtf";
88:         }
89:
90:         /// <summary>
91:         /// Dosya sistemindeki bir dosyanın başka bir program tarafından o anda
kullanımda olup olmadığının kontrol edildiği bir metottur.
92:         /// </summary>
93:         /// <param name="dosya">Dosya Bilgisi</param>
94:         /// <returns>Evet veya Hayır Bilgisi</returns>
95:         public static bool DosyaKilitliMi(FileInfo dosya)
96:         {
97:             FileStream stream = null;
98:             try
99:             {
100:                 stream = dosya.Open(FileMode.Open, FileAccess.ReadWrite,
FileShare.None);
101:             }
102:             catch (IOException)
103:             {
104:                 // eğer dosya başka bir uygulama tarafından kullanılıyorsa
105:                 // burada true dönüyor ki
106:                 // kullanıcı bu metottan gelen bilgiye göre davranışın
107:                 return true;
108:             }
109:             finally
110:             {
111:                 stream?.Close();
112:             }
113:
114:             //file is not locked
115:             return false;
116:         }
117:
118:         /// <summary>
119:         /// Bu metot ile gönderdiğiniz Dizin yolunda verdiğiniz isimde bir klasör yoksa
120:         /// Otomatik olarak oluşturmaya çalışıyor
121:         /// </summary>
122:         /// <param name="dizinYolu">Dizin Yolu Bilgisi</param>
123:         /// <returns>Evet veya Hayır Bilgisi</returns>
124:         public static bool GuvenliDizinOlustur(string dizinYolu)
125:         {
126:             var isExists = Directory.Exists(dizinYolu);
127:
128:             if (!isExists)
129:                 Directory.CreateDirectory(dizinYolu);
130:             return isExists;
131:         }
132:     }
133: }

```

Namespaces

Name	Description
CSharpHelperMethodsLibrary (see page 36)	This is namespace CSharpHelperMethodsLibrary.

1.3.7 FrmAnaSayfa.cs

This is file FrmAnaSayfa.cs.

Body Source

```

1: ?using System;
2: using System.Drawing;
3: using CSharpHelperMethodsLibrary;
4: using System.Text;
5: using System.Windows.Forms;
6:
7: namespace CSharpHelperMethods
8: {
9:     public partial class FrmAnaSayfa : Form
10:    {
11:        public FrmAnaSayfa()
12:        {
13:            InitializeComponent();
14:        }
15:
16:        #region Formun Yüklmesi, Panel Seçimi ve ListBox Düzenlemeleri
17:        /// <summary>
18:        /// Form İlk Yüklendiği zaman ekrandaki bütün panellerin erişilemez hale
19:        /// getirilmesi
20:        /// saglanıyor Bu metotta, çünkü hangi panelin aktifleseyeceğinin
21:        /// Combobox üzerinden seçilmesi lazım
22:        /// </summary>
23:        /// <param name="sender">The sender info (For example Main Form)</param>
24:        /// <param name="e">Event Arguments</param>
25:        private void FrmAnaSayfa_Load(object sender, EventArgs e)
26:        {
27:            cmbIslemTuru.DropDownStyle = ComboBoxStyle.DropDownList;
28:            #region Sayfa İlk Yüklendiğinde Tüm Panellerin Erisime Kapanması
29:            pnlTarihIslemleri.Enabled = false;
30:            pnlSifreIslemleri.Enabled = false;
31:            pnlSayiIslemleri.Enabled = false;
32:            pnlKisiIslemleri.Enabled = false;
33:            pnlMetinIslemleri.Enabled = false;
34:            #endregion
35:            #region Bütün Listboxların MultiLine Yapılması
36:            lbMetinSonuc.DrawMode = DrawMode.OwnerDrawVariable;
37:            lbMetinSonuc.MeasureItem += listBox_MeasureItem;
38:            lbMetinSonuc.DrawItem += listBox_DrawItem;
39:            lbSayiSonuc.DrawMode = DrawMode.OwnerDrawVariable;
40:            lbSayiSonuc.MeasureItem += listBox_MeasureItem;
41:            lbSayiSonuc.DrawItem += listBox_DrawItem;
42:            lbKisiSonuc.DrawMode = DrawMode.OwnerDrawVariable;
43:            lbKisiSonuc.MeasureItem += listBox_MeasureItem;
44:            lbKisiSonuc.DrawItem += listBox_DrawItem;
45:            lbSifreSonuc.DrawMode = DrawMode.OwnerDrawVariable;
46:            lbSifreSonuc.MeasureItem += listBox_MeasureItem;
47:            lbSifreSonuc.DrawItem += listBox_DrawItem;
48:            lbSonuc.DrawMode = DrawMode.OwnerDrawVariable;
49:            lbSonuc.MeasureItem += listBox_MeasureItem;
50:            lbSonuc.DrawItem += listBox_DrawItem;
51:            #endregion
52:        }

```

```

53:         /// <summary>
54:         /// Islem Türü Combobox'ında seçilen degere göre
55:         /// Ekrandaki panellerden ilgili olan haricinde hepsinin erisilemez hale
56:         /// Eger bir sey seçilmemisse, tamaminin erisilemez hale getirilmesi için
57:         /// Gerekli islemlerin gerçekleştirildiği metottur.
58:         /// </summary>
59:         /// <param name="sender">The sender info (For example Main Form)</param>
60:         /// <param name="e">Event Arguments</param>
61:         private void cmbIslemTuru_SelectedIndexChanged(object sender, EventArgs e)
62:         {
63:             #region Combobox'tan Seçilen Degere Göre Ilgili Paneli Aktif Hale Getirme
64:             switch (cmbIslemTuru.SelectedIndex)
65:             {
66:                 // Metin Islemleri
67:                 case 0:
68:                 {
69:                     EkraniDuzenle("pnlMetinIslemleri");
70:                     break;
71:                 }
72:                 // Tarih Islemleri
73:                 case 1:
74:                 {
75:                     EkraniDuzenle("pnlTarihIslemleri");
76:                     break;
77:                 }
78:                 // Sayi Islemleri
79:                 case 2:
80:                 {
81:                     EkraniDuzenle("pnlSayiIslemleri");
82:                     break;
83:                 }
84:                 // Sifre Islemleri
85:                 case 3:
86:                 {
87:                     EkraniDuzenle("pnlSifreIslemleri");
88:                     break;
89:                 }
90:                 // Kisi Islemleri
91:                 case 4:
92:                 {
93:                     EkraniDuzenle("pnlKisiIslemleri");
94:                     break;
95:                 }
96:                 // Bunlar haricinde herhangi bir sey
97:                 default:
98:                 {
99:                     EkraniDuzenle("Hicbiri");
100:                     break;
101:                 }
102:             }
103:             #endregion
104:         }
105:
106:         /// <summary>
107:         /// Parametre olarak verilen panelin aktif hale getirilmesi
108:         /// Diger panellerin deaktif edilmesi için hazirlanmis metottur
109:         /// </summary>
110:         /// <param name="panelAdi">Panel Adi Bilgisi</param>
111:         private void EkraniDuzenle(string panelAdi)
112:         {
113:             foreach (Control c in Controls)
114:             {
115:                 if (c.Name == panelAdi)
116:                     c.Enabled = true;
117:                 else if (c.Name.StartsWith("pnl"))
118:                     c.Enabled = false;
119:             }
120:         }

```

```

121:
122:     /// <summary>
123:     /// This method is used to measure the length of the item in listbox and make
it multi line
124:     /// without using scrollbar and let the user see more efficiently
125:     /// </summary>
126:     /// <param name="sender">The sender info (For example Main Form)</param>
127:     /// <param name="e">Event Arguments</param>
128:     private static void listBox_MeasureItem(object sender, MeasureItemEventArgs e)
129:     {
130:         if (!(sender is ListBox listBox)) return;
131:         e.ItemHeight = (int) e.Graphics
132:             .MeasureString(listBox.Items[e.Index].ToString(), listBox.Font,
listBox.Width).Height;
133:     }
134:
135:     /// <summary>
136:     /// This method is used to measure the length of the item in listbox and make
it multi line
137:     /// without using scrollbar and let the user see more efficiently
138:     /// </summary>
139:     /// <param name="sender">The sender info (For example Main Form)</param>
140:     /// <param name="e">Event Arguments</param>
141:     private static void listBox_DrawItem(object sender, DrawItemEventArgs e)
142:     {
143:         if (!(sender is ListBox listBox)) return;
144:         e.DrawBackground();
145:         e.DrawFocusRectangle();
146:         e.Graphics.DrawString(listBox.Items[e.Index].ToString(), e.Font, new
SolidBrush(e.ForeColor), e.Bounds);
147:     }
148:
149:     #endregion
150:
151:     #region Tarih Islemleri
152:
153:     /// <summary>
154:     /// Paneldeki Baslangic Tarihi seçili ve tarih girilirse,
155:     /// o tarihten bugüne kaç yas oldugunun hesaplandigi metottur.
156:     /// Ilgili butona tiklandigi zaman çalisir
157:     /// </summary>
158:     /// <param name="sender">The sender info (For example Main Form)</param>
159:     /// <param name="e">Event Arguments</param>
160:     private void btnYasHesapla_Click(object sender, EventArgs e)
161:     {
162:         if (!dtpBaslangicTarihi.Checked)
163:             MessageBox.Show(Sabitler.BaslangicTarihiGirilmedi);
164:         else
165:         {
166:             lbSonuc.Items.Clear();
167:             var sb = new StringBuilder();
168:             sb.Append("Dogum tarihi seçilen kisi ");
169:             sb.Append(TarihIslemleri.YasHesapla(dtpBaslangicTarihi.Value));
170:             sb.Append(" yasinin içindedir");
171:             lbSonuc.Items.Add(sb.ToString());
172:         }
173:     }
174:
175:     /// <summary>
176:     /// Paneldeki Baslangic Tarihi seçili ve tarih girilirse,
177:     /// o tarihten bugüne kaç yas oldugunun yıl, ay ve gün
178:     /// olarak metinsel bir şekilde hesaplandigi metottur.
179:     /// Ilgili butona tiklandigi zaman çalisir
180:     /// </summary>
181:     /// <param name="sender">The sender info (For example Main Form)</param>
182:     /// <param name="e">Event Arguments</param>
183:     private void btnYasHesaplaMetinsel_Click(object sender, EventArgs e)
184:     {
185:         if (!dtpBaslangicTarihi.Checked)

```



```

186:         MessageBox.Show(Sabitler.BaslangicTarihiGirilmedi);
187:     else
188:     {
189:         lbSonuc.Items.Clear();
190:         var sb = new StringBuilder();
191:         sb.Append(TarihIslemleri.YasHesaplaMetinsel(dtpBaslangicTarihi.Value));
192:         lbSonuc.Items.Add(sb.ToString());
193:     }
194: }
195:
196: /// <summary>
197: /// Paneldeki Baslangiç Tarihi ve Bitis Tarihi alanlari seçili ve tarih
girilmisse,
198: /// Söz konusu tarihler arasında kaç yıl, kaç ay ve gün olduğunun bilgisinin
hazirlandigi metottur.
199: /// Ilgili butona tiklandigi zaman çalışır
200: /// </summary>
201: /// <param name="sender">The sender info (For example Main Form)</param>
202: /// <param name="e">Event Arguments</param>
203: private void btnTarihAraligi_Click(object sender, EventArgs e)
204: {
205:     if (!dtpBaslangicTarihi.Checked || !dtpBitisTarihi.Checked)
206:         MessageBox.Show(Sabitler.BaslangicVeyaBitisTarihiGirilmedi);
207:     else if (dtpBaslangicTarihi.Value.Date > dtpBitisTarihi.Value.Date)
208:         MessageBox.Show(Sabitler.BaslangicTarihiBuyuk);
209:     else
210:     {
211:         lbSonuc.Items.Clear();
212:         var sb = new StringBuilder();
213:         sb.Append("İki tarih arası: ");
214:         sb.Append(TarihIslemleri.TarihAraligiHesapla(dtpBaslangicTarihi.Value.Date,
dtpBitisTarihi.Value.Date));
215:         lbSonuc.Items.Add(sb.ToString());
216:     }
217: }
218:
219: /// <summary>
220: /// Paneldeki Baslangiç Tarihi ve Bitis Tarihi alanlari seçili ve tarih
girilmisse,
221: /// Söz konusu tarihler arasında kaç ay olduğunun bilgisinin hazirlandigi
metottur.
222: /// Ilgili butona tiklandigi zaman çalışır
223: /// </summary>
224: /// <param name="sender">The sender info (For example Main Form)</param>
225: /// <param name="e">Event Arguments</param>
226: private void btnAyFarki_Click(object sender, EventArgs e)
227: {
228:     if (!dtpBaslangicTarihi.Checked || !dtpBitisTarihi.Checked)
229:         MessageBox.Show(Sabitler.BaslangicVeyaBitisTarihiGirilmedi);
230:     else if (dtpBaslangicTarihi.Value.Date > dtpBitisTarihi.Value.Date)
231:         MessageBox.Show(Sabitler.BaslangicTarihiBuyuk);
232:     else
233:     {
234:         lbSonuc.Items.Clear();
235:         var sb = new StringBuilder();
236:         sb.Append("Ay Farki: ");
237:         sb.Append(TarihIslemleri.AyFarki(dtpBaslangicTarihi.Value.Date,
dtpBitisTarihi.Value.Date));
238:         lbSonuc.Items.Add(sb.ToString());
239:     }
240: }
241: #endregion
242:
243: #region Sifre Islemleri
244: /// <summary>
245: /// Paneldeki metin kutusu dolu ise
246: /// Girilen metnin MD5 algoritması ile sifrelenmiş halini
247: /// Listbox üzerine yazdıran metottur.

```

```

248:         /// </summary>
249:         /// <param name="sender">The sender info (For example Main Form)</param>
250:         /// <param name="e">Event Arguments</param>
251:         private void btnMd5Hash_Click(object sender, EventArgs e)
252:         {
253:             if (string.IsNullOrEmpty(txtSifrelenecekMetin.Text.Trim()))
254:                 MessageBox.Show(Sabitler.SifrelenecekMetinGirilmedi);
255:             else
256:             {
257:                 lbSifreSonuc.Items.Clear();
258:                 var sb = new StringBuilder();
259:                 sb.Append("Girilen Metnin MD5 Karsiligi: ");
260:                 sb.Append(SifrelemeIslemleri.HesaplaMD5(txtSifrelenecekMetin.Text.Trim()));
261:                 lbSifreSonuc.Items.Add(sb.ToString());
262:             }
263:         }
264:
265:         /// <summary>
266:         /// Paneldeki metin kutusu dolu ise
267:         /// Girilen metnin SHA 256 algoritmasi ile sifrelenmis halini
268:         /// Listbox üzerine yazdiran metottur.
269:         /// </summary>
270:         /// <param name="sender">The sender info (For example Main Form)</param>
271:         /// <param name="e">Event Arguments</param>
272:         private void btnSha256Hash_Click(object sender, EventArgs e)
273:         {
274:             if (string.IsNullOrEmpty(txtSifrelenecekMetin.Text.Trim()))
275:                 MessageBox.Show(Sabitler.SifrelenecekMetinGirilmedi);
276:             else
277:             {
278:                 lbSifreSonuc.Items.Clear();
279:                 var sb = new StringBuilder();
280:                 sb.Append("Girilen Metnin SHA 256 Karsiligi: ");
281:                 sb.Append(SifrelemeIslemleri.HesaplaSHA256(txtSifrelenecekMetin.Text.Trim()));
282:                 lbSifreSonuc.Items.Add(sb.ToString());
283:             }
284:         }
285:
286:         /// <summary>
287:         /// Paneldeki metin kutusu dolu ise
288:         /// Girilen metnin SHA 512 algoritmasi ile sifrelenmis halini
289:         /// Listbox üzerine yazdiran metottur.
290:         /// </summary>
291:         /// <param name="sender">The sender info (For example Main Form)</param>
292:         /// <param name="e">Event Arguments</param>
293:         private void btnSha512Hash_Click(object sender, EventArgs e)
294:         {
295:             if (string.IsNullOrEmpty(txtSifrelenecekMetin.Text.Trim()))
296:                 MessageBox.Show(Sabitler.SifrelenecekMetinGirilmedi);
297:             else
298:             {
299:                 lbSifreSonuc.Items.Clear();
300:                 var sb = new StringBuilder();
301:                 sb.Append("Girilen Metnin SHA 512 Karsiligi: ");
302:                 sb.Append(SifrelemeIslemleri.HesaplaSHA512(txtSifrelenecekMetin.Text.Trim()));
303:                 lbSifreSonuc.Items.Add(sb.ToString());
304:             }
305:         }
306:
307:         /// <summary>
308:         /// Ilgili butona tiklandiginda rastgele sifre üretilmesini saglayan metottur
309:         /// </summary>
310:         /// <param name="sender">The sender info (For example Main Form)</param>
311:         /// <param name="e">Event Arguments</param>
312:         private void btnRastgeleSifreUret_Click(object sender, EventArgs e)
313:         {

```

```

314:         lbSifreSonuc.Items.Clear();
315:         var sb = new StringBuilder();
316:         sb.Append("Rastgele Üretilen Sifre: ");
317:         sb.Append(SifrelemeIslemleri.RastgeleSifreUret());
318:         lbSifreSonuc.Items.Add(sb.ToString());
319:     }
320:
321:     /// <summary>
322:     /// Paneldeki metin kutusu dolu ise
323:     /// Burada yazılan metnin bir sifre olarak belirli kriterlere uygun olup
    olmadiginin
324:     /// Gösterilmesini saglayan bir metottur
325:     /// </summary>
326:     /// <param name="sender">The sender info (For example Main Form)</param>
327:     /// <param name="e">Event Arguments</param>
328:     private void btnSifreUygunMu_Click(object sender, EventArgs e)
329:     {
330:         if (string.IsNullOrEmpty(txtSifrelenecekMetin.Text.Trim()))
331:             MessageBox.Show(Sabitler.SifreMetniGirilmedi);
332:         else
333:         {
334:             lbSifreSonuc.Items.Clear();
335:             var sb = new StringBuilder();
336:             sb.Append("Girilen Sifrenin Uygunluk Durumu: ");
337:             sb.Append(SifrelemeIslemleri.SifreUygunMu(txtSifrelenecekMetin.Text.Trim()));
338:             lbSifreSonuc.Items.Add(sb.ToString());
339:         }
340:     }
341:     #endregion
342:
343:     #region Sayi Islemleri
344:     /// <summary>
345:     /// Paneldeki metin kutusuna girilen metnin sayisal bir deger olup olmadigini
346:     /// Kontrol eden ve sonucu gösteren metottur.
347:     /// </summary>
348:     /// <param name="sender">The sender info (For example Main Form)</param>
349:     /// <param name="e">Event Arguments</param>
350:     private void btnSayisalMi_Click(object sender, EventArgs e)
351:     {
352:         if (string.IsNullOrEmpty(txtSayi.Text.Trim()))
353:             MessageBox.Show(Sabitler.MetinGirilmedi);
354:         else
355:         {
356:             lbSayiSonuc.Items.Clear();
357:             var sb = new StringBuilder();
358:             sb.Append("Girilen Metin Sayi Mi?: ");
359:             sb.Append(SayiIslemleri.SayisalMi(txtSayi.Text.Trim()) ? "Evet" :
    "Hayir");
360:             lbSayiSonuc.Items.Add(sb.ToString());
361:         }
362:     }
363:
364:     /// <summary>
365:     /// Paneldeki metin kutusuna girilen para birimi cinsinden rakamin
366:     /// Yazıya çevrilmesini saglayan ve sonucu listbox üzerinde gösteren bir
    metottur.
367:     /// </summary>
368:     /// <param name="sender">The sender info (For example Main Form)</param>
369:     /// <param name="e">Event Arguments</param>
370:     private void btnMetneDonustur_Click(object sender, EventArgs e)
371:     {
372:         if (string.IsNullOrEmpty(txtSayi.Text.Trim()))
373:             MessageBox.Show(Sabitler.MetinGirilmedi);
374:         else if (!SayiIslemleri.SayisalMi(txtSayi.Text.Trim().Replace(".", ",
    ").Replace(",", ".")))
375:             MessageBox.Show(Sabitler.MetinSayisalDegil);
376:         else
377:         {

```

```

378:         var metinSadeceSayiKismi = txtSayi.Text.Trim();
379:         var sayi = SayiIslemleri.SayiHalineCevir(metinSadeceSayiKismi);
380:         lbSayiSonuc.Items.Clear();
381:         var sb = new StringBuilder();
382:         sb.Append("Girilen Sayinin Metin Hali (Parasal): ");
383:         sb.Append(SayiIslemleri.SayiyiYaziyaCevir(sayi));
384:         lbSayiSonuc.Items.Add(sb.ToString());
385:     }
386: }
387:
388: /// <summary>
389: /// Rastgele olacak sekilde 6 haneli kod olusturmayi saglayan bir metottur.
390: /// </summary>
391: /// <param name="sender">The sender info (For example Main Form)</param>
392: /// <param name="e">Event Arguments</param>
393: private void btnOnayKoduOlustur_Click(object sender, EventArgs e)
394: {
395:     lbSayiSonuc.Items.Clear();
396:     var sb = new StringBuilder();
397:     sb.Append("Olusturulan 6 haneli onay kodu: ");
398:     sb.Append(SayiIslemleri.AltiHaneliOnayKoduOlustur());
399:     lbSayiSonuc.Items.Add(sb.ToString());
400: }
401: #endregion
402:
403: #region Kisi Islemleri
404: /// <summary>
405: /// Paneldeki metin kutusuna girilen TC Kimlik numarasinin
406: /// Standart TC Kimlik No algoritmasina uygun olup olmadigini kontrol eden bir
metottur.
407: /// </summary>
408: /// <param name="sender">The sender info (For example Main Form)</param>
409: /// <param name="e">Event Arguments</param>
410: private void btnTcKimlikDogrula_Click(object sender, EventArgs e)
411: {
412:     if (string.IsNullOrEmpty(txtKisiMetni.Text.Trim()))
413:         MessageBox.Show(Sabitler.MetinGirilmedi);
414:     else if (!SayiIslemleri.SayisalMi(txtKisiMetni.Text.Trim()))
415:         MessageBox.Show(Sabitler.MetinSayisalDegil);
416:     else if (txtKisiMetni.Text.Trim().Length != 11)
417:         MessageBox.Show(Sabitler.MetinTcKimlikNoDegil);
418:     else
419:     {
420:         lbKisiSonuc.Items.Clear();
421:         var sb = new StringBuilder();
422:         sb.Append("TC Kimlik No Dogru Mu?: ");
423:         sb.Append(KisiIslemleri.DogrulaTcKimlikNo(txtKisiMetni.Text.Trim()) ?
"Evet" : "Hayir");
424:         lbKisiSonuc.Items.Add(sb.ToString());
425:     }
426: }
427:
428: /// <summary>
429: /// Paneldeki metin kutusuna girilen IBAN Numarasinin
430: /// Standart IBAN algoritmasina uygun olup olmadigini kontrol eden bir
metottur.
431: /// </summary>
432: /// <param name="sender">The sender info (For example Main Form)</param>
433: /// <param name="e">Event Arguments</param>
434: private void btnIbanDogrula_Click(object sender, EventArgs e)
435: {
436:     if (string.IsNullOrEmpty(txtKisiMetni.Text.Trim()))
437:         MessageBox.Show(Sabitler.MetinGirilmedi);
438:     else if (txtKisiMetni.Text.Trim().Length != 26)
439:         MessageBox.Show(Sabitler.MetinIbanNoDegil +
txtKisiMetni.Text.Trim().Length);
440:     else
441:     {
442:         lbKisiSonuc.Items.Clear();

```

```

443:         var sb = new StringBuilder();
444:         sb.Append("IBAN Dogru Mu?: ");
445:         sb.Append(KisiIslemleri.DogrulaIBAN(txtKisiMetni.Text.Trim()) ? "Evet"
: "Hayir");
446:         lbKisiSonuc.Items.Add(sb.ToString());
447:     }
448: }
449:
450: /// <summary>
451: /// Paneldeki metin kutusuna girilen metnin
452: /// Geçerli bir e-posta adresi olup olmadigini kontrol eden bir metottur.
453: /// </summary>
454: /// <param name="sender">The sender info (For example Main Form)</param>
455: /// <param name="e">Event Arguments</param>
456: private void btnEPostaDogrula_Click(object sender, EventArgs e)
457: {
458:     if (string.IsNullOrEmpty(txtKisiMetni.Text.Trim()))
459:         MessageBox.Show(Sabitler.MetinGirilmedi);
460:     else
461:     {
462:         lbKisiSonuc.Items.Clear();
463:         var sb = new StringBuilder();
464:         sb.Append("E-Posta Dogru Mu?: ");
465:         sb.Append(KisiIslemleri.DogrulaEPosta(txtKisiMetni.Text.Trim()) ?
"Evet" : "Hayir");
466:         lbKisiSonuc.Items.Add(sb.ToString());
467:     }
468: }
469: #endregion
470:
471: #region Metin Islemleri
472: /// <summary>
473: /// Paneldeki metin kutusuna girilen metnin
474: /// Kelimelerinin ilk harflerini büyük yapmaya yarayan bir metottur.
475: /// </summary>
476: /// <param name="sender">The sender info (For example Main Form)</param>
477: /// <param name="e">Event Arguments</param>
478: private void btnIlkHarfleriBuyukYap_Click(object sender, EventArgs e)
479: {
480:     if (string.IsNullOrEmpty(txtMetin.Text.Trim()))
481:         MessageBox.Show(Sabitler.MetinGirilmedi);
482:     else
483:     {
484:         lbMetinSonuc.Items.Clear();
485:         var sb = new StringBuilder();
486:         sb.Append("Metnin Düzenlenmis Hali: ");
487:         sb.Append(txtMetin.Text.Trim().MetinIlkKarakterleriBuyukYap());
488:         lbMetinSonuc.Items.Add(sb.ToString());
489:     }
490: }
491:
492: /// <summary>
493: /// Paneldeki metin kutusuna girilen metnin
494: /// Sadece ilk harfini büyük yapmaya yarayan bir metottur.
495: /// </summary>
496: /// <param name="sender">The sender info (For example Main Form)</param>
497: /// <param name="e">Event Arguments</param>
498: private void btnIlkHarfiBuyukYap_Click(object sender, EventArgs e)
499: {
500:     if (string.IsNullOrEmpty(txtMetin.Text.Trim()))
501:         MessageBox.Show(Sabitler.MetinGirilmedi);
502:     else
503:     {
504:         lbMetinSonuc.Items.Clear();
505:         var sb = new StringBuilder();
506:         sb.Append("Metnin Düzenlenmis Hali: ");
507:         sb.Append(MetinIslemleri.MetinIlkKarakterBuyukDigerleriKucukYap(txtMetin.Text.Trim()));
508:         lbMetinSonuc.Items.Add(sb.ToString());

```

```

509:         }
510:     }
511:
512:     /// <summary>
513:     /// Paneldeki metin kutusuna girilen metnin
514:     /// İçerisindeki Türkçe karakterleri İngilizce hallerine çeviren bir metottur.
515:     /// </summary>
516:     /// <param name="sender">The sender info (For example Main Form)</param>
517:     /// <param name="e">Event Arguments</param>
518:     private void btnTurkceKarakterDuzelt_Click(object sender, EventArgs e)
519:     {
520:         if (string.IsNullOrEmpty(txtMetin.Text.Trim()))
521:             MessageBox.Show(Sabitler.MetinGirilmedi);
522:         else
523:         {
524:             lbMetinSonuc.Items.Clear();
525:             var sb = new StringBuilder();
526:             sb.Append("Metnin Düzenlenmiş Hali: ");
527:             sb.Append(MetinIslemleri.TurkceKarakterleriDuzelt(txtMetin.Text.Trim()));
528:             lbMetinSonuc.Items.Add(sb.ToString());
529:         }
530:     }
531:
532:     /// <summary>
533:     /// KVKK durumlarından dolayı TC Kimlik No ve Vergi No gibi alanların
534:     /// Matbu çıktılarda gizlenmesi gibi bir durum söz konusu olduğundan
535:     /// Girilen bu 10 veya 11 karakterlik metinleri şifrelemeye yarayan bir
536:     metottur
537:     /// </summary>
538:     /// <param name="sender">The sender info (For example Main Form)</param>
539:     /// <param name="e">Event Arguments</param>
540:     private void btnMetinSifrele_Click(object sender, EventArgs e)
541:     {
542:         if (string.IsNullOrEmpty(txtMetin.Text.Trim()))
543:             MessageBox.Show(Sabitler.MetinGirilmedi);
544:         else if (!SayiIslemleri.SayisalMi(txtMetin.Text.Trim()))
545:             MessageBox.Show(Sabitler.MetinSayisalDegil);
546:         else if (txtMetin.Text.Trim().Length != 11 && txtMetin.Text.Trim().Length
547:             != 10)
548:             MessageBox.Show(Sabitler.MetinTcKimlikNoVeyaVergiNoDegil);
549:         else
550:         {
551:             lbMetinSonuc.Items.Clear();
552:             var sb = new StringBuilder();
553:             sb.Append("TC Kimlik No veya Vergi No'nun Şifrelenmiş Hali: ");
554:             sb.Append(MetinIslemleri.MetinSifrele(txtMetin.Text.Trim()));
555:             lbMetinSonuc.Items.Add(sb.ToString());
556:         }
557:     }
558:
559:     /// <summary>
560:     /// Ekrandan çeşitli karakterler içeren telefon numaraları alındığı zaman
561:     /// Bu telefon numarasını olması gerektiği hale çevirmeye yarayan bir metottur.
562:     /// </summary>
563:     /// <param name="sender">The sender info (For example Main Form)</param>
564:     /// <param name="e">Event Arguments</param>
565:     private void btnTelefonNoDuzenle_Click(object sender, EventArgs e)
566:     {
567:         if (string.IsNullOrEmpty(txtMetin.Text.Trim()))
568:             MessageBox.Show(Sabitler.MetinGirilmedi);
569:         else
570:         {
571:             lbMetinSonuc.Items.Clear();
572:             var sb = new StringBuilder();
573:             sb.Append("Telefon Numarasının Düzenlenmiş Hali: ");
574:             sb.Append(MetinIslemleri.TelefonNoDuzenle(txtMetin.Text.Trim()));
575:             lbMetinSonuc.Items.Add(sb.ToString());
576:         }
577:     }

```

```

575:         }
576:
577:         /// <summary>
578:         /// Ekrandan girilen metnin geçerli bir e-posta adresi olup olmadığını kontrol
579:         /// Sonucu listBox'a yazdıran metottur.
580:         /// </summary>
581:         /// <param name="sender">The sender info (For example Main Form)</param>
582:         /// <param name="e">Event Arguments</param>
583:         private void btnEPostaKontrol_Click(object sender, EventArgs e)
584:         {
585:             if (string.IsNullOrEmpty(txtMetin.Text.Trim()))
586:                 MessageBox.Show(Sabitler.MetinGirilmedi);
587:             else
588:             {
589:                 lbMetinSonuc.Items.Clear();
590:                 var gecerliMi =
591:                 MetinIslemleri.MailAdresiGecerliMi(txtMetin.Text.Trim());
592:                 lbMetinSonuc.Items.Add(txtMetin.Text.Trim());
593:                 lbMetinSonuc.Items.Add(gecerliMi ? Sabitler.EPostaAdresiGecerli :
594:                 Sabitler.EPostaAdresiGecerliDegil);
595:             }
596:         }
597:     }

```

Namespaces

Name	Description
CSharpHelperMethods (see page 1)	This is namespace CSharpHelperMethods.

1.3.8 FrmAnaSayfa.Designer.cs

This is file FrmAnaSayfa.Designer.cs.

Body Source

```

1: ?namespace CSharpHelperMethods
2: {
3:     partial class FrmAnaSayfa
4:     {
5:         /// <summary>
6:         /// Required designer variable.
7:         /// </summary>
8:         private System.ComponentModel.IContainer components = null;
9:
10:        /// <summary>
11:        /// Clean up any resources being used.
12:        /// </summary>
13:        /// <param name="disposing">true if managed resources should be disposed;
otherwise, false.</param>
14:        protected override void Dispose(bool disposing)
15:        {
16:            if (disposing && (components != null))
17:            {
18:                components.Dispose();
19:            }
20:            base.Dispose(disposing);
21:        }
22:
23:        #region Windows Form Designer generated code
24:
25:        /// <summary>
26:        /// Required method for Designer support - do not modify

```



```

27:     /// the contents of this method with the code editor.
28:     /// </summary>
29:     private void InitializeComponent()
30:     {
31:         this.cmbIslemTuru = new System.Windows.Forms.ComboBox();
32:         this.label1 = new System.Windows.Forms.Label();
33:         this.pnlTarihIslemleri = new System.Windows.Forms.Panel();
34:         this.btnAyFarki = new System.Windows.Forms.Button();
35:         this.label8 = new System.Windows.Forms.Label();
36:         this.btnTarihAraligi = new System.Windows.Forms.Button();
37:         this.btnYasHesaplaMetinsel = new System.Windows.Forms.Button();
38:         this.btnYasHesapla = new System.Windows.Forms.Button();
39:         this.label4 = new System.Windows.Forms.Label();
40:         this.lbSonuc = new System.Windows.Forms.ListBox();
41:         this.dtpBitisTarihi = new System.Windows.Forms.DateTimePicker();
42:         this.dtpBaslangicTarihi = new System.Windows.Forms.DateTimePicker();
43:         this.label3 = new System.Windows.Forms.Label();
44:         this.label2 = new System.Windows.Forms.Label();
45:         this.pnlSifreIslemleri = new System.Windows.Forms.Panel();
46:         this.label7 = new System.Windows.Forms.Label();
47:         this.btnSifreUygunMu = new System.Windows.Forms.Button();
48:         this.btnRastgeleSifreUret = new System.Windows.Forms.Button();
49:         this.btnSha512Hash = new System.Windows.Forms.Button();
50:         this.btnSha256Hash = new System.Windows.Forms.Button();
51:         this.label6 = new System.Windows.Forms.Label();
52:         this.lbSifreSonuc = new System.Windows.Forms.ListBox();
53:         this.btnMd5Hash = new System.Windows.Forms.Button();
54:         this.txtSifrelenecekMetin = new System.Windows.Forms.TextBox();
55:         this.label5 = new System.Windows.Forms.Label();
56:         this.pnlSayiIslemleri = new System.Windows.Forms.Panel();
57:         this.label9 = new System.Windows.Forms.Label();
58:         this.btnOnayKoduOlustur = new System.Windows.Forms.Button();
59:         this.btnMetneDonustur = new System.Windows.Forms.Button();
60:         this.label10 = new System.Windows.Forms.Label();
61:         this.lbSayiSonuc = new System.Windows.Forms.ListBox();
62:         this.btnSayisalMi = new System.Windows.Forms.Button();
63:         this.txtSayi = new System.Windows.Forms.TextBox();
64:         this.label11 = new System.Windows.Forms.Label();
65:         this.pnlKisiIslemleri = new System.Windows.Forms.Panel();
66:         this.label12 = new System.Windows.Forms.Label();
67:         this.btnEPostaDogrula = new System.Windows.Forms.Button();
68:         this.btnIbanDogrula = new System.Windows.Forms.Button();
69:         this.label13 = new System.Windows.Forms.Label();
70:         this.lbKisiSonuc = new System.Windows.Forms.ListBox();
71:         this.btnTcKimlikDogrula = new System.Windows.Forms.Button();
72:         this.txtKisiMetni = new System.Windows.Forms.TextBox();
73:         this.label14 = new System.Windows.Forms.Label();
74:         this.pnlMetinIslemleri = new System.Windows.Forms.Panel();
75:         this.btnTelefonNoDuzenle = new System.Windows.Forms.Button();
76:         this.btnMetinSifrele = new System.Windows.Forms.Button();
77:         this.label15 = new System.Windows.Forms.Label();
78:         this.btnTurkceKarakterDuzelt = new System.Windows.Forms.Button();
79:         this.btnIlkHarfiBuyukYap = new System.Windows.Forms.Button();
80:         this.label16 = new System.Windows.Forms.Label();
81:         this.lbMetinSonuc = new System.Windows.Forms.ListBox();
82:         this.btnIlkHarfleriBuyukYap = new System.Windows.Forms.Button();
83:         this.txtMetin = new System.Windows.Forms.TextBox();
84:         this.label17 = new System.Windows.Forms.Label();
85:         this.btnEPostaKontrol = new System.Windows.Forms.Button();
86:         this.pnlTarihIslemleri.SuspendLayout();
87:         this.pnlSifreIslemleri.SuspendLayout();
88:         this.pnlSayiIslemleri.SuspendLayout();
89:         this.pnlKisiIslemleri.SuspendLayout();
90:         this.pnlMetinIslemleri.SuspendLayout();
91:         this.SuspendLayout();
92:         //
93:         // cmbIslemTuru
94:         //
95:         this.cmbIslemTuru.FormattingEnabled = true;

```



```

96:         this.cmbIslemTuru.Items.AddRange(new object[] { "Metin Islemleri", "Tarih
Islemleri", "Sayi Islemleri", "Sifre Islemleri", "Kisi Islemleri" });
97:         this.cmbIslemTuru.Location = new System.Drawing.Point(176, 16);
98:         this.cmbIslemTuru.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
99:         this.cmbIslemTuru.Name = "cmbIslemTuru";
100:        this.cmbIslemTuru.Size = new System.Drawing.Size(265, 24);
101:        this.cmbIslemTuru.TabIndex = 0;
102:        this.cmbIslemTuru.SelectedIndexChanged += new
System.EventHandler(this.cmbIslemTuru_SelectedIndexChanged);
103:        //
104:        // label1
105:        //
106:        this.label1.AutoSize = true;
107:        this.label1.Location = new System.Drawing.Point(16, 20);
108:        this.label1.Margin = new System.Windows.Forms.Padding(4, 0, 4, 0);
109:        this.label1.Name = "label1";
110:        this.label1.Size = new System.Drawing.Size(123, 17);
111:        this.label1.TabIndex = 1;
112:        this.label1.Text = "Islem Türü Seçiniz";
113:        //
114:        // pnlTarihIslemleri
115:        //
116:        this.pnlTarihIslemleri.BorderStyle =
System.Windows.Forms.BorderStyle.FixedSingle;
117:        this.pnlTarihIslemleri.Controls.Add(this.btnAyFarki);
118:        this.pnlTarihIslemleri.Controls.Add(this.label8);
119:        this.pnlTarihIslemleri.Controls.Add(this.btnTarihAraligi);
120:        this.pnlTarihIslemleri.Controls.Add(this.btnYasHesaplaMetinsel);
121:        this.pnlTarihIslemleri.Controls.Add(this.btnYasHesapla);
122:        this.pnlTarihIslemleri.Controls.Add(this.label4);
123:        this.pnlTarihIslemleri.Controls.Add(this.lbSonuc);
124:        this.pnlTarihIslemleri.Controls.Add(this.dtpBitisTarihi);
125:        this.pnlTarihIslemleri.Controls.Add(this.dtpBaslangicTarihi);
126:        this.pnlTarihIslemleri.Controls.Add(this.label3);
127:        this.pnlTarihIslemleri.Controls.Add(this.label2);
128:        this.pnlTarihIslemleri.Location = new System.Drawing.Point(20, 69);
129:        this.pnlTarihIslemleri.Margin = new System.Windows.Forms.Padding(4, 4, 4,
4);
130:        this.pnlTarihIslemleri.Name = "pnlTarihIslemleri";
131:        this.pnlTarihIslemleri.Size = new System.Drawing.Size(498, 222);
132:        this.pnlTarihIslemleri.TabIndex = 2;
133:        //
134:        // btnAyFarki
135:        //
136:        this.btnAyFarki.Location = new System.Drawing.Point(381, 94);
137:        this.btnAyFarki.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
138:        this.btnAyFarki.Name = "btnAyFarki";
139:        this.btnAyFarki.Size = new System.Drawing.Size(105, 28);
140:        this.btnAyFarki.TabIndex = 12;
141:        this.btnAyFarki.Text = "Ay Farki";
142:        this.btnAyFarki.UseVisualStyleBackColor = true;
143:        this.btnAyFarki.Click += new System.EventHandler(this.btnAyFarki_Click);
144:        //
145:        // label8
146:        //
147:        this.label8.AutoSize = true;
148:        this.label8.Dock = System.Windows.Forms.DockStyle.Top;
149:        this.label8.Location = new System.Drawing.Point(0, 0);
150:        this.label8.Margin = new System.Windows.Forms.Padding(4, 0, 4, 0);
151:        this.label8.Name = "label8";
152:        this.label8.Size = new System.Drawing.Size(96, 17);
153:        this.label8.TabIndex = 11;
154:        this.label8.Text = "Tarih Islemleri";
155:        //
156:        // btnTarihAraligi
157:        //
158:        this.btnTarihAraligi.Location = new System.Drawing.Point(272, 94);
159:        this.btnTarihAraligi.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
160:        this.btnTarihAraligi.Name = "btnTarihAraligi";

```

```

161:         this.btnTarihAraligi.Size = new System.Drawing.Size(101, 28);
162:         this.btnTarihAraligi.TabIndex = 10;
163:         this.btnTarihAraligi.Text = "Tarih Araligi";
164:         this.btnTarihAraligi.UseVisualStyleBackColor = true;
165:         this.btnTarihAraligi.Click += new
System.EventHandler(this.btnTarihAraligi_Click);
166:         //
167:         // btnYasHesaplaMetinsel
168:         //
169:         this.btnYasHesaplaMetinsel.Location = new System.Drawing.Point(112, 94);
170:         this.btnYasHesaplaMetinsel.Margin = new System.Windows.Forms.Padding(4, 4,
4, 4);
171:         this.btnYasHesaplaMetinsel.Name = "btnYasHesaplaMetinsel";
172:         this.btnYasHesaplaMetinsel.Size = new System.Drawing.Size(151, 28);
173:         this.btnYasHesaplaMetinsel.TabIndex = 9;
174:         this.btnYasHesaplaMetinsel.Text = "Yas Hesapla (Metin)";
175:         this.btnYasHesaplaMetinsel.UseVisualStyleBackColor = true;
176:         this.btnYasHesaplaMetinsel.Click += new
System.EventHandler(this.btnYasHesaplaMetinsel_Click);
177:         //
178:         // btnYasHesapla
179:         //
180:         this.btnYasHesapla.Location = new System.Drawing.Point(4, 94);
181:         this.btnYasHesapla.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
182:         this.btnYasHesapla.Name = "btnYasHesapla";
183:         this.btnYasHesapla.Size = new System.Drawing.Size(100, 28);
184:         this.btnYasHesapla.TabIndex = 8;
185:         this.btnYasHesapla.Text = "Yas Hesapla";
186:         this.btnYasHesapla.UseVisualStyleBackColor = true;
187:         this.btnYasHesapla.Click += new
System.EventHandler(this.btnYasHesapla_Click);
188:         //
189:         // label4
190:         //
191:         this.label4.AutoSize = true;
192:         this.label4.Location = new System.Drawing.Point(24, 134);
193:         this.label4.Margin = new System.Windows.Forms.Padding(4, 0, 4, 0);
194:         this.label4.Name = "label4";
195:         this.label4.Size = new System.Drawing.Size(48, 17);
196:         this.label4.TabIndex = 7;
197:         this.label4.Text = "Sonuç";
198:         //
199:         // lbSonuc
200:         //
201:         this.lbSonuc.FormattingEnabled = true;
202:         this.lbSonuc.HorizontalScrollbar = true;
203:         this.lbSonuc.ItemHeight = 16;
204:         this.lbSonuc.Location = new System.Drawing.Point(83, 129);
205:         this.lbSonuc.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
206:         this.lbSonuc.Name = "lbSonuc";
207:         this.lbSonuc.Size = new System.Drawing.Size(340, 84);
208:         this.lbSonuc.TabIndex = 6;
209:         //
210:         // dtpBitisTarihi
211:         //
212:         this.dtpBitisTarihi.Format =
System.Windows.Forms.DateTimePickerFormat.Short;
213:         this.dtpBitisTarihi.Location = new System.Drawing.Point(156, 53);
214:         this.dtpBitisTarihi.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
215:         this.dtpBitisTarihi.Name = "dtpBitisTarihi";
216:         this.dtpBitisTarihi.ShowCheckBox = true;
217:         this.dtpBitisTarihi.Size = new System.Drawing.Size(265, 22);
218:         this.dtpBitisTarihi.TabIndex = 5;
219:         //
220:         // dtpBaslangicTarihi
221:         //
222:         this.dtpBaslangicTarihi.Format =
System.Windows.Forms.DateTimePickerFormat.Short;
223:         this.dtpBaslangicTarihi.Location = new System.Drawing.Point(156, 21);

```

```

224:         this.dtpBaslangicTarihi.Margin = new System.Windows.Forms.Padding(4, 4, 4,
225: 4);
226:         this.dtpBaslangicTarihi.Name = "dtpBaslangicTarihi";
227:         this.dtpBaslangicTarihi.ShowCheckBox = true;
228:         this.dtpBaslangicTarihi.Size = new System.Drawing.Size(265, 22);
229:         this.dtpBaslangicTarihi.TabIndex = 4;
230:         //
231:         // label3
232:         this.label3.AutoSize = true;
233:         this.label3.Location = new System.Drawing.Point(59, 58);
234:         this.label3.Margin = new System.Windows.Forms.Padding(4, 0, 4, 0);
235:         this.label3.Name = "label3";
236:         this.label3.Size = new System.Drawing.Size(74, 17);
237:         this.label3.TabIndex = 3;
238:         this.label3.Text = "Bitis Tarihi";
239:         //
240:         // label2
241:         //
242:         this.label2.AutoSize = true;
243:         this.label2.Location = new System.Drawing.Point(23, 30);
244:         this.label2.Margin = new System.Windows.Forms.Padding(4, 0, 4, 0);
245:         this.label2.Name = "label2";
246:         this.label2.Size = new System.Drawing.Size(109, 17);
247:         this.label2.TabIndex = 2;
248:         this.label2.Text = "Baslangiç Tarihi";
249:         //
250:         // pnlSifreIslemleri
251:         //
252:         this.pnlSifreIslemleri.BorderStyle =
System.Windows.Forms.BorderStyle.FixedSingle;
253:         this.pnlSifreIslemleri.Controls.Add(this.label7);
254:         this.pnlSifreIslemleri.Controls.Add(this.btnSifreUygunMu);
255:         this.pnlSifreIslemleri.Controls.Add(this.btnRastgeleSifreUret);
256:         this.pnlSifreIslemleri.Controls.Add(this.btnSha512Hash);
257:         this.pnlSifreIslemleri.Controls.Add(this.btnSha256Hash);
258:         this.pnlSifreIslemleri.Controls.Add(this.label6);
259:         this.pnlSifreIslemleri.Controls.Add(this.lbSifreSonuc);
260:         this.pnlSifreIslemleri.Controls.Add(this.btnMd5Hash);
261:         this.pnlSifreIslemleri.Controls.Add(this.txtSifrelenecekMetin);
262:         this.pnlSifreIslemleri.Controls.Add(this.label5);
263:         this.pnlSifreIslemleri.Location = new System.Drawing.Point(548, 69);
264:         this.pnlSifreIslemleri.Margin = new System.Windows.Forms.Padding(4, 4, 4,
265: 4);
266:         this.pnlSifreIslemleri.Name = "pnlSifreIslemleri";
267:         this.pnlSifreIslemleri.Size = new System.Drawing.Size(502, 222);
268:         this.pnlSifreIslemleri.TabIndex = 3;
269:         //
270:         // label7
271:         //
272:         this.label7.AutoSize = true;
273:         this.label7.Dock = System.Windows.Forms.DockStyle.Top;
274:         this.label7.Location = new System.Drawing.Point(0, 0);
275:         this.label7.Margin = new System.Windows.Forms.Padding(4, 0, 4, 0);
276:         this.label7.Name = "label7";
277:         this.label7.Size = new System.Drawing.Size(92, 17);
278:         this.label7.TabIndex = 18;
279:         this.label7.Text = "Sifre Islemleri";
280:         this.label7.TextAlign = System.Drawing.ContentAlignment.TopCenter;
281:         //
282:         // btnSifreUygunMu
283:         //
284:         this.btnSifreUygunMu.Location = new System.Drawing.Point(231, 87);
285:         this.btnSifreUygunMu.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
286:         this.btnSifreUygunMu.Name = "btnSifreUygunMu";
287:         this.btnSifreUygunMu.Size = new System.Drawing.Size(193, 28);
288:         this.btnSifreUygunMu.TabIndex = 17;
289:         this.btnSifreUygunMu.Text = "Sifre Uygun Mu?";
290:         this.btnSifreUygunMu.UseVisualStyleBackColor = true;

```

```
290:         this.btnSifreUygunMu.Click += new
System.EventHandler(this.btnSifreUygunMu_Click);
291:         //
292:         // btnRastgeleSifreUret
293:         //
294:         this.btnRastgeleSifreUret.Location = new System.Drawing.Point(28, 87);
295:         this.btnRastgeleSifreUret.Margin = new System.Windows.Forms.Padding(4, 4,
4, 4);
296:         this.btnRastgeleSifreUret.Name = "btnRastgeleSifreUret";
297:         this.btnRastgeleSifreUret.Size = new System.Drawing.Size(193, 28);
298:         this.btnRastgeleSifreUret.TabIndex = 16;
299:         this.btnRastgeleSifreUret.Text = "Rastgele Sifre Üret";
300:         this.btnRastgeleSifreUret.UseVisualStyleBackColor = true;
301:         this.btnRastgeleSifreUret.Click += new
System.EventHandler(this.btnRastgeleSifreUret_Click);
302:         //
303:         // btnSha512Hash
304:         //
305:         this.btnSha512Hash.Location = new System.Drawing.Point(324, 52);
306:         this.btnSha512Hash.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
307:         this.btnSha512Hash.Name = "btnSha512Hash";
308:         this.btnSha512Hash.Size = new System.Drawing.Size(100, 28);
309:         this.btnSha512Hash.TabIndex = 15;
310:         this.btnSha512Hash.Text = "SHA 512";
311:         this.btnSha512Hash.UseVisualStyleBackColor = true;
312:         this.btnSha512Hash.Click += new
System.EventHandler(this.btnSha512Hash_Click);
313:         //
314:         // btnSha256Hash
315:         //
316:         this.btnSha256Hash.Location = new System.Drawing.Point(175, 52);
317:         this.btnSha256Hash.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
318:         this.btnSha256Hash.Name = "btnSha256Hash";
319:         this.btnSha256Hash.Size = new System.Drawing.Size(100, 28);
320:         this.btnSha256Hash.TabIndex = 14;
321:         this.btnSha256Hash.Text = "SHA 256";
322:         this.btnSha256Hash.UseVisualStyleBackColor = true;
323:         this.btnSha256Hash.Click += new
System.EventHandler(this.btnSha256Hash_Click);
324:         //
325:         // label6
326:         //
327:         this.label6.AutoSize = true;
328:         this.label6.Location = new System.Drawing.Point(28, 123);
329:         this.label6.Margin = new System.Windows.Forms.Padding(4, 0, 4, 0);
330:         this.label6.Name = "label6";
331:         this.label6.Size = new System.Drawing.Size(48, 17);
332:         this.label6.TabIndex = 13;
333:         this.label6.Text = "Sonuç";
334:         //
335:         // lbSifreSonuc
336:         //
337:         this.lbSifreSonuc.FormattingEnabled = true;
338:         this.lbSifreSonuc.HorizontalScrollbar = true;
339:         this.lbSifreSonuc.ItemHeight = 16;
340:         this.lbSifreSonuc.Location = new System.Drawing.Point(87, 123);
341:         this.lbSifreSonuc.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
342:         this.lbSifreSonuc.Name = "lbSifreSonuc";
343:         this.lbSifreSonuc.Size = new System.Drawing.Size(333, 84);
344:         this.lbSifreSonuc.TabIndex = 12;
345:         //
346:         // btnMd5Hash
347:         //
348:         this.btnMd5Hash.Location = new System.Drawing.Point(28, 52);
349:         this.btnMd5Hash.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
350:         this.btnMd5Hash.Name = "btnMd5Hash";
351:         this.btnMd5Hash.Size = new System.Drawing.Size(100, 28);
352:         this.btnMd5Hash.TabIndex = 11;
353:         this.btnMd5Hash.Text = "MD5";
```

```

354:         this.btnMd5Hash.UseVisualStyleBackColor = true;
355:         this.btnMd5Hash.Click += new System.EventHandler(this.btnMd5Hash_Click);
356:         //
357:         // txtSifrelenecekMetin
358:         //
359:         this.txtSifrelenecekMetin.Location = new System.Drawing.Point(157, 20);
360:         this.txtSifrelenecekMetin.Margin = new System.Windows.Forms.Padding(4, 4,
4, 4);
361:         this.txtSifrelenecekMetin.Name = "txtSifrelenecekMetin";
362:         this.txtSifrelenecekMetin.Size = new System.Drawing.Size(264, 22);
363:         this.txtSifrelenecekMetin.TabIndex = 4;
364:         //
365:         // label5
366:         //
367:         this.label5.AutoSize = true;
368:         this.label5.Location = new System.Drawing.Point(23, 23);
369:         this.label5.Margin = new System.Windows.Forms.Padding(4, 0, 4, 0);
370:         this.label5.Name = "label5";
371:         this.label5.Size = new System.Drawing.Size(124, 17);
372:         this.label5.TabIndex = 3;
373:         this.label5.Text = "Sifrelenecek Metin";
374:         //
375:         // pnlSayiIslemleri
376:         //
377:         this.pnlSayiIslemleri.BorderStyle =
System.Windows.Forms.BorderStyle.FixedSingle;
378:         this.pnlSayiIslemleri.Controls.Add(this.label9);
379:         this.pnlSayiIslemleri.Controls.Add(this.btnOnayKoduOlustur);
380:         this.pnlSayiIslemleri.Controls.Add(this.btnMetneDonustur);
381:         this.pnlSayiIslemleri.Controls.Add(this.label10);
382:         this.pnlSayiIslemleri.Controls.Add(this.lbSayiSonuc);
383:         this.pnlSayiIslemleri.Controls.Add(this.btnSayisalMi);
384:         this.pnlSayiIslemleri.Controls.Add(this.txtSayi);
385:         this.pnlSayiIslemleri.Controls.Add(this.label11);
386:         this.pnlSayiIslemleri.Location = new System.Drawing.Point(20, 316);
387:         this.pnlSayiIslemleri.Margin = new System.Windows.Forms.Padding(4, 4, 4,
4);
388:         this.pnlSayiIslemleri.Name = "pnlSayiIslemleri";
389:         this.pnlSayiIslemleri.Size = new System.Drawing.Size(502, 222);
390:         this.pnlSayiIslemleri.TabIndex = 19;
391:         //
392:         // label9
393:         //
394:         this.label9.AutoSize = true;
395:         this.label9.Dock = System.Windows.Forms.DockStyle.Top;
396:         this.label9.Location = new System.Drawing.Point(0, 0);
397:         this.label9.Margin = new System.Windows.Forms.Padding(4, 0, 4, 0);
398:         this.label9.Name = "label9";
399:         this.label9.Size = new System.Drawing.Size(90, 17);
400:         this.label9.TabIndex = 18;
401:         this.label9.Text = "Sayi Islemleri";
402:         this.label9.TextAlign = System.Drawing.ContentAlignment.TopCenter;
403:         //
404:         // btnOnayKoduOlustur
405:         //
406:         this.btnOnayKoduOlustur.Location = new System.Drawing.Point(324, 52);
407:         this.btnOnayKoduOlustur.Margin = new System.Windows.Forms.Padding(4, 4, 4,
4);
408:         this.btnOnayKoduOlustur.Name = "btnOnayKoduOlustur";
409:         this.btnOnayKoduOlustur.Size = new System.Drawing.Size(100, 28);
410:         this.btnOnayKoduOlustur.TabIndex = 15;
411:         this.btnOnayKoduOlustur.Text = "Onay Kodu";
412:         this.btnOnayKoduOlustur.UseVisualStyleBackColor = true;
413:         this.btnOnayKoduOlustur.Click += new
System.EventHandler(this.btnOnayKoduOlustur_Click);
414:         //
415:         // btnMetneDonustur
416:         //
417:         this.btnMetneDonustur.Location = new System.Drawing.Point(136, 52);

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418:         this.btnMetneDonustur.Margin = new System.Windows.Forms.Padding(4, 4, 4,
419: 4);
420:         this.btnMetneDonustur.Name = "btnMetneDonustur";
421:         this.btnMetneDonustur.Size = new System.Drawing.Size(180, 28);
422:         this.btnMetneDonustur.TabIndex = 14;
423:         this.btnMetneDonustur.Text = "Para Metnine Dönüştür";
424:         this.btnMetneDonustur.UseVisualStyleBackColor = true;
425:         this.btnMetneDonustur.Click += new
System.EventHandler(this.btnMetneDonustur_Click);
426:         //
427:         // label10
428:         this.label10.AutoSize = true;
429:         this.label10.Location = new System.Drawing.Point(24, 96);
430:         this.label10.Margin = new System.Windows.Forms.Padding(4, 0, 4, 0);
431:         this.label10.Name = "label10";
432:         this.label10.Size = new System.Drawing.Size(48, 17);
433:         this.label10.TabIndex = 13;
434:         this.label10.Text = "Sonuç";
435:         //
436:         // lbSayiSonuc
437:         //
438:         this.lbSayiSonuc.FormattingEnabled = true;
439:         this.lbSayiSonuc.HorizontalScrollbar = true;
440:         this.lbSayiSonuc.ItemHeight = 16;
441:         this.lbSayiSonuc.Location = new System.Drawing.Point(83, 96);
442:         this.lbSayiSonuc.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
443:         this.lbSayiSonuc.Name = "lbSayiSonuc";
444:         this.lbSayiSonuc.Size = new System.Drawing.Size(337, 100);
445:         this.lbSayiSonuc.TabIndex = 12;
446:         //
447:         // btnSayisalMi
448:         //
449:         this.btnSayisalMi.Location = new System.Drawing.Point(28, 52);
450:         this.btnSayisalMi.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
451:         this.btnSayisalMi.Name = "btnSayisalMi";
452:         this.btnSayisalMi.Size = new System.Drawing.Size(100, 28);
453:         this.btnSayisalMi.TabIndex = 11;
454:         this.btnSayisalMi.Text = "Sayisal Mi?";
455:         this.btnSayisalMi.UseVisualStyleBackColor = true;
456:         this.btnSayisalMi.Click += new
System.EventHandler(this.btnSayisalMi_Click);
457:         //
458:         // txtSayi
459:         //
460:         this.txtSayi.Location = new System.Drawing.Point(157, 20);
461:         this.txtSayi.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
462:         this.txtSayi.Name = "txtSayi";
463:         this.txtSayi.Size = new System.Drawing.Size(264, 22);
464:         this.txtSayi.TabIndex = 4;
465:         //
466:         // label11
467:         //
468:         this.label11.AutoSize = true;
469:         this.label11.Location = new System.Drawing.Point(23, 23);
470:         this.label11.Margin = new System.Windows.Forms.Padding(4, 0, 4, 0);
471:         this.label11.Name = "label11";
472:         this.label11.Size = new System.Drawing.Size(124, 17);
473:         this.label11.TabIndex = 3;
474:         this.label11.Text = "Sifrelenecek Metin";
475:         //
476:         // pnlKisiIslemleri
477:         //
478:         this.pnlKisiIslemleri.BorderStyle =
System.Windows.Forms.BorderStyle.FixedSingle;
479:         this.pnlKisiIslemleri.Controls.Add(this.label12);
480:         this.pnlKisiIslemleri.Controls.Add(this.btnEPostaDogrula);
481:         this.pnlKisiIslemleri.Controls.Add(this.btnIbanDogrula);
482:         this.pnlKisiIslemleri.Controls.Add(this.label13);

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483:         this.pnlKisiIslemleri.Controls.Add(this.lbKisiSonuc);
484:         this.pnlKisiIslemleri.Controls.Add(this.btnTcKimlikDogrula);
485:         this.pnlKisiIslemleri.Controls.Add(this.txtKisiMetni);
486:         this.pnlKisiIslemleri.Controls.Add(this.label14);
487:         this.pnlKisiIslemleri.Location = new System.Drawing.Point(548, 316);
488:         this.pnlKisiIslemleri.Margin = new System.Windows.Forms.Padding(4, 4, 4,
489:         4);
490:         this.pnlKisiIslemleri.Name = "pnlKisiIslemleri";
491:         this.pnlKisiIslemleri.Size = new System.Drawing.Size(502, 222);
492:         this.pnlKisiIslemleri.TabIndex = 20;
493:         //
494:         // label12
495:         this.label12.AutoSize = true;
496:         this.label12.Dock = System.Windows.Forms.DockStyle.Top;
497:         this.label12.Location = new System.Drawing.Point(0, 0);
498:         this.label12.Margin = new System.Windows.Forms.Padding(4, 0, 4, 0);
499:         this.label12.Name = "label12";
500:         this.label12.Size = new System.Drawing.Size(85, 17);
501:         this.label12.TabIndex = 18;
502:         this.label12.Text = "Kisi Islemleri";
503:         this.label12.TextAlign = System.Drawing.ContentAlignment.TopCenter;
504:         //
505:         // btnEPostaDogrula
506:         //
507:         this.btnEPostaDogrula.Location = new System.Drawing.Point(297, 52);
508:         this.btnEPostaDogrula.Margin = new System.Windows.Forms.Padding(4, 4, 4,
509:         4);
510:         this.btnEPostaDogrula.Name = "btnEPostaDogrula";
511:         this.btnEPostaDogrula.Size = new System.Drawing.Size(127, 28);
512:         this.btnEPostaDogrula.TabIndex = 15;
513:         this.btnEPostaDogrula.Text = "E-Posta Dogrula";
514:         this.btnEPostaDogrula.UseVisualStyleBackColor = true;
515:         this.btnEPostaDogrula.Click += new
516:         System.EventHandler(this.btnEPostaDogrula_Click);
517:         //
518:         // btnIbanDogrula
519:         //
520:         this.btnIbanDogrula.Location = new System.Drawing.Point(175, 52);
521:         this.btnIbanDogrula.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
522:         this.btnIbanDogrula.Name = "btnIbanDogrula";
523:         this.btnIbanDogrula.Size = new System.Drawing.Size(115, 28);
524:         this.btnIbanDogrula.TabIndex = 14;
525:         this.btnIbanDogrula.Text = "IBAN Dogrula";
526:         this.btnIbanDogrula.UseVisualStyleBackColor = true;
527:         this.btnIbanDogrula.Click += new
528:         System.EventHandler(this.btnIbanDogrula_Click);
529:         //
530:         // label13
531:         //
532:         this.label13.AutoSize = true;
533:         this.label13.Location = new System.Drawing.Point(24, 96);
534:         this.label13.Margin = new System.Windows.Forms.Padding(4, 0, 4, 0);
535:         this.label13.Name = "label13";
536:         this.label13.Size = new System.Drawing.Size(48, 17);
537:         this.label13.TabIndex = 13;
538:         this.label13.Text = "Sonuç";
539:         //
540:         // lbKisiSonuc
541:         //
542:         this.lbKisiSonuc.FormattingEnabled = true;
543:         this.lbKisiSonuc.HorizontalScrollbar = true;
544:         this.lbKisiSonuc.ItemHeight = 16;
545:         this.lbKisiSonuc.Location = new System.Drawing.Point(83, 96);
546:         this.lbKisiSonuc.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
547:         this.lbKisiSonuc.Name = "lbKisiSonuc";
548:         this.lbKisiSonuc.Size = new System.Drawing.Size(337, 100);
549:         this.lbKisiSonuc.TabIndex = 12;
550:         //

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548:         // btnTcKimlikDogrula
549:         //
550:         this.btnTcKimlikDogrula.Location = new System.Drawing.Point(28, 52);
551:         this.btnTcKimlikDogrula.Margin = new System.Windows.Forms.Padding(4, 4, 4,
4);
552:         this.btnTcKimlikDogrula.Name = "btnTcKimlikDogrula";
553:         this.btnTcKimlikDogrula.Size = new System.Drawing.Size(139, 28);
554:         this.btnTcKimlikDogrula.TabIndex = 11;
555:         this.btnTcKimlikDogrula.Text = "TC Kimlik Dogrula";
556:         this.btnTcKimlikDogrula.UseVisualStyleBackColor = true;
557:         this.btnTcKimlikDogrula.Click += new
System.EventHandler(this.btnTcKimlikDogrula_Click);
558:         //
559:         // txtKisiMetni
560:         //
561:         this.txtKisiMetni.Location = new System.Drawing.Point(157, 20);
562:         this.txtKisiMetni.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
563:         this.txtKisiMetni.Name = "txtKisiMetni";
564:         this.txtKisiMetni.Size = new System.Drawing.Size(264, 22);
565:         this.txtKisiMetni.TabIndex = 4;
566:         //
567:         // label14
568:         //
569:         this.label14.AutoSize = true;
570:         this.label14.Location = new System.Drawing.Point(23, 23);
571:         this.label14.Margin = new System.Windows.Forms.Padding(4, 0, 4, 0);
572:         this.label14.Name = "label14";
573:         this.label14.Size = new System.Drawing.Size(42, 17);
574:         this.label14.TabIndex = 3;
575:         this.label14.Text = "Metin";
576:         //
577:         // pnlMetinIslemleri
578:         //
579:         this.pnlMetinIslemleri.BorderStyle =
System.Windows.Forms.BorderStyle.FixedSingle;
580:         this.pnlMetinIslemleri.Controls.Add(this.btnEPostaKontrol);
581:         this.pnlMetinIslemleri.Controls.Add(this.btnTelefonNoDuzenle);
582:         this.pnlMetinIslemleri.Controls.Add(this.btnMetinSifrele);
583:         this.pnlMetinIslemleri.Controls.Add(this.label15);
584:         this.pnlMetinIslemleri.Controls.Add(this.btnTurkceKarakterDuzelt);
585:         this.pnlMetinIslemleri.Controls.Add(this.btnIlkHarfiBuyukYap);
586:         this.pnlMetinIslemleri.Controls.Add(this.label16);
587:         this.pnlMetinIslemleri.Controls.Add(this.lbMetinSonuc);
588:         this.pnlMetinIslemleri.Controls.Add(this.btnIlkHarfleriBuyukYap);
589:         this.pnlMetinIslemleri.Controls.Add(this.txtMetin);
590:         this.pnlMetinIslemleri.Controls.Add(this.label17);
591:         this.pnlMetinIslemleri.Location = new System.Drawing.Point(20, 564);
592:         this.pnlMetinIslemleri.Margin = new System.Windows.Forms.Padding(4, 4, 4,
4);
593:         this.pnlMetinIslemleri.Name = "pnlMetinIslemleri";
594:         this.pnlMetinIslemleri.Size = new System.Drawing.Size(1030, 222);
595:         this.pnlMetinIslemleri.TabIndex = 21;
596:         //
597:         // btnTelefonNoDuzenle
598:         //
599:         this.btnTelefonNoDuzenle.Location = new System.Drawing.Point(671, 52);
600:         this.btnTelefonNoDuzenle.Margin = new System.Windows.Forms.Padding(4, 4,
4, 4);
601:         this.btnTelefonNoDuzenle.Name = "btnTelefonNoDuzenle";
602:         this.btnTelefonNoDuzenle.Size = new System.Drawing.Size(179, 28);
603:         this.btnTelefonNoDuzenle.TabIndex = 20;
604:         this.btnTelefonNoDuzenle.Text = "Telefon No Düzenle";
605:         this.btnTelefonNoDuzenle.UseVisualStyleBackColor = true;
606:         this.btnTelefonNoDuzenle.Click += new
System.EventHandler(this.btnTelefonNoDuzenle_Click);
607:         //
608:         // btnMetinSifrele
609:         //
610:         this.btnMetinSifrele.Location = new System.Drawing.Point(484, 52);

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611:         this.btnMetinSifrele.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
612:         this.btnMetinSifrele.Name = "btnMetinSifrele";
613:         this.btnMetinSifrele.Size = new System.Drawing.Size(179, 28);
614:         this.btnMetinSifrele.TabIndex = 19;
615:         this.btnMetinSifrele.Text = "Metin Sifrele";
616:         this.btnMetinSifrele.UseVisualStyleBackColor = true;
617:         this.btnMetinSifrele.Click += new
System.EventHandler(this.btnMetinSifrele_Click);
618:         //
619:         // label15
620:         //
621:         this.label15.AutoSize = true;
622:         this.label15.Dock = System.Windows.Forms.DockStyle.Top;
623:         this.label15.Location = new System.Drawing.Point(0, 0);
624:         this.label15.Margin = new System.Windows.Forms.Padding(4, 0, 4, 0);
625:         this.label15.Name = "label15";
626:         this.label15.Size = new System.Drawing.Size(97, 17);
627:         this.label15.TabIndex = 18;
628:         this.label15.Text = "Metin İşlemleri";
629:         this.label15.TextAlign = System.Drawing.ContentAlignment.TopCenter;
630:         //
631:         // btnTürkçeKarakterDüzeltil
632:         //
633:         this.btnTürkçeKarakterDüzeltil.Location = new System.Drawing.Point(297, 52);
634:         this.btnTürkçeKarakterDüzeltil.Margin = new System.Windows.Forms.Padding(4,
4, 4, 4);
635:         this.btnTürkçeKarakterDüzeltil.Name = "btnTürkçeKarakterDüzeltil";
636:         this.btnTürkçeKarakterDüzeltil.Size = new System.Drawing.Size(179, 28);
637:         this.btnTürkçeKarakterDüzeltil.TabIndex = 15;
638:         this.btnTürkçeKarakterDüzeltil.Text = "Türkçe Karakter Düzelt";
639:         this.btnTürkçeKarakterDüzeltil.UseVisualStyleBackColor = true;
640:         this.btnTürkçeKarakterDüzeltil.Click += new
System.EventHandler(this.btnTürkçeKarakterDüzeltil_Click);
641:         //
642:         // btnİlkHarfiBuyukYap
643:         //
644:         this.btnİlkHarfiBuyukYap.Location = new System.Drawing.Point(175, 52);
645:         this.btnİlkHarfiBuyukYap.Margin = new System.Windows.Forms.Padding(4, 4,
4, 4);
646:         this.btnİlkHarfiBuyukYap.Name = "btnİlkHarfiBuyukYap";
647:         this.btnİlkHarfiBuyukYap.Size = new System.Drawing.Size(115, 28);
648:         this.btnİlkHarfiBuyukYap.TabIndex = 14;
649:         this.btnİlkHarfiBuyukYap.Text = "İlk Harf Büyük";
650:         this.btnİlkHarfiBuyukYap.UseVisualStyleBackColor = true;
651:         this.btnİlkHarfiBuyukYap.Click += new
System.EventHandler(this.btnİlkHarfiBuyukYap_Click);
652:         //
653:         // label16
654:         //
655:         this.label16.AutoSize = true;
656:         this.label16.Location = new System.Drawing.Point(24, 96);
657:         this.label16.Margin = new System.Windows.Forms.Padding(4, 0, 4, 0);
658:         this.label16.Name = "label16";
659:         this.label16.Size = new System.Drawing.Size(48, 17);
660:         this.label16.TabIndex = 13;
661:         this.label16.Text = "Sonuç";
662:         //
663:         // lbMetinSonuc
664:         //
665:         this.lbMetinSonuc.FormattingEnabled = true;
666:         this.lbMetinSonuc.HorizontalScrollbar = true;
667:         this.lbMetinSonuc.ItemHeight = 16;
668:         this.lbMetinSonuc.Location = new System.Drawing.Point(83, 96);
669:         this.lbMetinSonuc.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
670:         this.lbMetinSonuc.Name = "lbMetinSonuc";
671:         this.lbMetinSonuc.Size = new System.Drawing.Size(868, 100);
672:         this.lbMetinSonuc.TabIndex = 12;
673:         //
674:         // btnİlkHarfleriBuyukYap

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675:         //
676:         this.btnIlkHarfleriBuyukYap.Location = new System.Drawing.Point(28, 52);
677:         this.btnIlkHarfleriBuyukYap.Margin = new System.Windows.Forms.Padding(4,
4, 4, 4);
678:         this.btnIlkHarfleriBuyukYap.Name = "btnIlkHarfleriBuyukYap";
679:         this.btnIlkHarfleriBuyukYap.Size = new System.Drawing.Size(139, 28);
680:         this.btnIlkHarfleriBuyukYap.TabIndex = 11;
681:         this.btnIlkHarfleriBuyukYap.Text = "Ilk Harfler Büyük";
682:         this.btnIlkHarfleriBuyukYap.UseVisualStyleBackColor = true;
683:         this.btnIlkHarfleriBuyukYap.Click += new
System.EventHandler(this.btnIlkHarfleriBuyukYap_Click);
684:         //
685:         // txtMetin
686:         //
687:         this.txtMetin.Location = new System.Drawing.Point(159, 15);
688:         this.txtMetin.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
689:         this.txtMetin.Name = "txtMetin";
690:         this.txtMetin.Size = new System.Drawing.Size(792, 22);
691:         this.txtMetin.TabIndex = 4;
692:         //
693:         // label17
694:         //
695:         this.label17.AutoSize = true;
696:         this.label17.Location = new System.Drawing.Point(23, 23);
697:         this.label17.Margin = new System.Windows.Forms.Padding(4, 0, 4, 0);
698:         this.label17.Name = "label17";
699:         this.label17.Size = new System.Drawing.Size(42, 17);
700:         this.label17.TabIndex = 3;
701:         this.label17.Text = "Metin";
702:         //
703:         // btnEPostaKontrol
704:         //
705:         this.btnEPostaKontrol.Location = new System.Drawing.Point(858, 52);
706:         this.btnEPostaKontrol.Margin = new System.Windows.Forms.Padding(4);
707:         this.btnEPostaKontrol.Name = "btnEPostaKontrol";
708:         this.btnEPostaKontrol.Size = new System.Drawing.Size(160, 28);
709:         this.btnEPostaKontrol.TabIndex = 21;
710:         this.btnEPostaKontrol.Text = "E-Posta Geçerli Mi?";
711:         this.btnEPostaKontrol.UseVisualStyleBackColor = true;
712:         this.btnEPostaKontrol.Click += new
System.EventHandler(this.btnEPostaKontrol_Click);
713:         //
714:         // FrmAnaSayfa
715:         //
716:         this.AutoScaleDimensions = new System.Drawing.SizeF(8F, 16F);
717:         this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;
718:         this.AutoSizeMode = System.Windows.Forms.AutoSizeMode.GrowAndShrink;
719:         this.ClientSize = new System.Drawing.Size(1067, 844);
720:         this.Controls.Add(this.pnlMetinIslemleri);
721:         this.Controls.Add(this.pnlKisiIslemleri);
722:         this.Controls.Add(this.pnlSayiIslemleri);
723:         this.Controls.Add(this.pnlSifreIslemleri);
724:         this.Controls.Add(this.pnlTarihIslemleri);
725:         this.Controls.Add(this.label1);
726:         this.Controls.Add(this.cmbIslemTuru);
727:         this.Margin = new System.Windows.Forms.Padding(4, 4, 4, 4);
728:         this.Name = "FrmAnaSayfa";
729:         this.StartPosition = System.Windows.Forms.FormStartPosition.CenterScreen;
730:         this.Text = "Islemler Ekrani";
731:         this.Load += new System.EventHandler(this.FrmAnaSayfa_Load);
732:         this.pnlTarihIslemleri.ResumeLayout(false);
733:         this.pnlTarihIslemleri.PerformLayout();
734:         this.pnlSifreIslemleri.ResumeLayout(false);
735:         this.pnlSifreIslemleri.PerformLayout();
736:         this.pnlSayiIslemleri.ResumeLayout(false);
737:         this.pnlSayiIslemleri.PerformLayout();
738:         this.pnlKisiIslemleri.ResumeLayout(false);
739:         this.pnlKisiIslemleri.PerformLayout();
740:         this.pnlMetinIslemleri.ResumeLayout(false);

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741:         this.pnlMetinIslemleri.PerformLayout();
742:         this.ResumeLayout(false);
743:         this.PerformLayout();
744:     }
745:
746:     private System.Windows.Forms.Button btnEPostaKontrol;
747:
748:     #endregion
749:
750:     private System.Windows.Forms.ComboBox cmbIslemTuru;
751:     private System.Windows.Forms.Label label1;
752:     private System.Windows.Forms.Panel pnlTarihIslemleri;
753:     private System.Windows.Forms.Label label2;
754:     private System.Windows.Forms.Label label3;
755:     private System.Windows.Forms.DateTimePicker dtpBaslangicTarihi;
756:     private System.Windows.Forms.DateTimePicker dtpBitisTarihi;
757:     private System.Windows.Forms.ListBox lbSonuc;
758:     private System.Windows.Forms.Label label4;
759:     private System.Windows.Forms.Button btnYasHesapla;
760:     private System.Windows.Forms.Button btnYasHesaplaMetinsel;
761:     private System.Windows.Forms.Button btnTarihAraligi;
762:     private System.Windows.Forms.Panel pnlSifreIslemleri;
763:     private System.Windows.Forms.Label label5;
764:     private System.Windows.Forms.TextBox txtSifrelenecekMetin;
765:     private System.Windows.Forms.Button btnMd5Hash;
766:     private System.Windows.Forms.Label label6;
767:     private System.Windows.Forms.ListBox lbSifreSonuc;
768:     private System.Windows.Forms.Button btnSha256Hash;
769:     private System.Windows.Forms.Button btnSha512Hash;
770:     private System.Windows.Forms.Button btnRastgeleSifreUret;
771:     private System.Windows.Forms.Button btnSifreUygunMu;
772:     private System.Windows.Forms.Label label8;
773:     private System.Windows.Forms.Label label7;
774:     private System.Windows.Forms.Button btnAyFarki;
775:     private System.Windows.Forms.Panel pnlSayiIslemleri;
776:     private System.Windows.Forms.Label label9;
777:     private System.Windows.Forms.Button btnOnayKoduOlustur;
778:     private System.Windows.Forms.Button btnMetneDonustur;
779:     private System.Windows.Forms.Label label10;
780:     private System.Windows.Forms.ListBox lbSayiSonuc;
781:     private System.Windows.Forms.Button btnSayisalMi;
782:     private System.Windows.Forms.TextBox txtSayi;
783:     private System.Windows.Forms.Label label11;
784:     private System.Windows.Forms.Panel pnlKisiIslemleri;
785:     private System.Windows.Forms.Label label12;
786:     private System.Windows.Forms.Button btnEPostaDogrula;
787:     private System.Windows.Forms.Button btnIbanDogrula;
788:     private System.Windows.Forms.Label label13;
789:     private System.Windows.Forms.ListBox lbKisiSonuc;
790:     private System.Windows.Forms.Button btnTcKimlikDogrula;
791:     private System.Windows.Forms.TextBox txtKisiMetni;
792:     private System.Windows.Forms.Label label14;
793:     private System.Windows.Forms.Panel pnlMetinIslemleri;
794:     private System.Windows.Forms.Label label15;
795:     private System.Windows.Forms.Button btnTurkceKarakterDuzelt;
796:     private System.Windows.Forms.Button btnIlkHarfiBuyukYap;
797:     private System.Windows.Forms.Label label16;
798:     private System.Windows.Forms.ListBox lbMetinSonuc;
799:     private System.Windows.Forms.Button btnIlkHarfleriBuyukYap;
800:     private System.Windows.Forms.TextBox txtMetin;
801:     private System.Windows.Forms.Label label17;
802:     private System.Windows.Forms.Button btnMetinSifrele;
803:     private System.Windows.Forms.Button btnTelefonNoDuzenle;
804: }
805: }
806:

```

Namespaces

Name	Description
CSharpHelperMethods (see page 1)	This is namespace CSharpHelperMethods.

1.3.9 Kisilslemleri.cs

This is file Kisilslemleri.cs.

Body Source

```

1: ?using System;
2: using System.Text;
3: using System.Text.RegularExpressions;
4:
5: namespace CSharpHelperMethodsLibrary
6: {
7:     /// <summary>
8:     /// Kisi ile iliskili yardimci metotlarin tamamini içeren sinif
9:     /// </summary>
10:    public static class KisiIslemleri
11:    {
12:        /// <summary>
13:        /// Girilen TC Kimlik Numarasinin, standart TC Kimlik No algoritmasina uygun
14:        olup
15:        /// olmadigini kontrol eden metottur.
16:        /// </summary>
17:        /// <param name="tcKimlikNo">TC Kimlik No</param>
18:        /// <returns>TC Kimlik No'nun Uygun Olup Olmadigi Bilgisi</returns>
19:        public static bool DogrulaTcKimlikNo(string tcKimlikNo)
20:        {
21:            var tcNo = Convert.ToInt64(tcKimlikNo);
22:            var atcno = tcNo / 100;
23:            var btcno = tcNo / 100;
24:            var c1 = atcno % 10; atcno /= 10;
25:            var c2 = atcno % 10; atcno /= 10;
26:            var c3 = atcno % 10; atcno /= 10;
27:            var c4 = atcno % 10; atcno /= 10;
28:            var c5 = atcno % 10; atcno /= 10;
29:            var c6 = atcno % 10; atcno /= 10;
30:            var c7 = atcno % 10; atcno /= 10;
31:            var c8 = atcno % 10; atcno /= 10;
32:            var c9 = atcno % 10;
33:            var q1 = (10 - ((c1 + c3 + c5 + c7 + c9) * 3 + c2 + c4 + c6 + c8) % 10) %
34:            10;
35:            var q2 = (10 - ((c2 + c4 + c6 + c8 + q1) * 3 + c1 + c3 + c5 + c7 + c9) %
36:            10) % 10;
37:            var dogrula = btcno * 100 + q1 * 10 + q2 == tcNo;
38:            return dogrula;
39:        }
40:        /// <summary>
41:        /// Girilen IBAN'in standar IBAN algoritmasina uygun olup olmadigini dogrular
42:        /// </summary>
43:        /// <code>DogrulaIBAN("TR560006200000012990022604")</code>
44:        /// <param name="iban">Uluslar arasi banka hesap numarasi (IBAN) </param>
45:        /// <returns>IBAN uygunsa true, degilse false degeri döner</returns>
46:        public static bool DogrulaIBAN(string iban)
47:        {
48:            iban = iban.ToUpper();
49:            if (string.IsNullOrEmpty(iban))
50:                return false;

```

```

51:         if (!Regex.IsMatch(iban, "^[A-Z0-9]"))
52:             return false;
53:
54:         iban = iban.Replace(" ", String.Empty);
55:         var bank = iban.Substring(4, iban.Length - 4) + iban.Substring(0, 4);
56:         const int asciiShift = 55;
57:         var sb = new StringBuilder();
58:         foreach (var c in bank)
59:         {
60:             sb.Append(char.IsLetter(c) ? c - asciiShift : int.Parse(c.ToString()));
61:         }
62:
63:         var checksumString = sb.ToString();
64:         var checksum = int.Parse(checksumString.Substring(0, 1));
65:         for (var i = 1; i < checksumString.Length; i++)
66:         {
67:             var v = int.Parse(checksumString.Substring(i, 1));
68:             checksum *= 10;
69:             checksum += v;
70:             checksum %= 97;
71:         }
72:         return checksum == 1;
73:     }
74:
75:     /// <summary>
76:     /// Ekranlardan girilen bir e-posta adresinin geçerli bir e-posta adresi olup
77:     /// olmadigini
78:     /// Kontrol eden metottur
79:     /// </summary>
80:     /// <param name="ePosta">E-Posta Adresi</param>
81:     /// <returns>E-Posta Adresinin Geçerli Olup Olmadigi Bilgisi</returns>
82:     public static bool DogrulaEPosta(string ePosta)
83:     {
84:         const string pattern = @"^(([\w-]+\.[\w-]+|([a-zA-Z]{1}|[\w-]{2,}))@"
85:             + @"((([0-1]?[0-9]{1,2}|25[0-5]|2[0-4][0-9])\.
86:             + @"([0-1]?[0-9]{1,2}|25[0-5]|2[0-4][0-9])\.
87:             + @"([0-1]?[0-9]{1,2}|25[0-5]|2[0-4][0-9])){1}|"
88:             + @"([a-zA-Z]+[\w-]+\.[\w-]+[a-zA-Z]{2,4}))$";
89:         return Regex.IsMatch(ePosta, pattern);
90:     }
91: }
92: }

```

Namespaces

Name	Description
CSharpHelperMethodsLibrary (see page 36)	This is namespace CSharpHelperMethodsLibrary.

1.3.10 MetinIslemleri.cs

This is file MetinIslemleri.cs.

Body Source

```

1: ?using System;
2: using System.Collections.Generic;
3: using System.Globalization;
4: using System.Linq;
5: using System.Net.Mail;
6: using System.Text;
7: using System.Text.RegularExpressions;
8:
9: namespace CSharpHelperMethodsLibrary
10: {

```

```

11:  /// <summary>
12:  /// Metinsel veri kontrol metotlarini barindiran sinif
13:  /// </summary>
14:  public static class MetinIslemleri
15:  {
16:      /// <summary>
17:      /// Girilen metnin basinda virgöl olup olmadigini kontrol eden metottur.
18:      /// </summary>
19:      /// <param name="text">Girdi metni</param>
20:      /// <returns>Girilen Metnin Olmasi Gerektigi Hali</returns>
21:      public static string IdealMetinGetir(string text)
22:      {
23:          if (!string.IsNullOrEmpty(text) && text[0] == ',')
24:          {
25:              text = text.Substring(1, text.Length - 1);
26:          }
27:          return text;
28:      }
29:
30:      public static string MetinZararliKarakterDuzelt(string text)
31:      {
32:          text = text.Replace("&#252;", "ü");
33:          return text;
34:      }
35:
36:      public static string MetinSifrele(string metin)
37:      {
38:          if (string.IsNullOrEmpty(metin)) return metin;
39:          var metinDuzenleyici = new StringBuilder(metin);
40:          switch (metin.Length)
41:          {
42:              case 10:
43:                  metinDuzenleyici.Remove(2, 6);
44:                  metinDuzenleyici.Insert(2, "*****");
45:                  metin = metinDuzenleyici.ToString();
46:                  break;
47:              case 11:
48:                  metinDuzenleyici.Remove(2, 7);
49:                  metinDuzenleyici.Insert(2, "*****");
50:                  metin = metinDuzenleyici.ToString();
51:                  break;
52:          }
53:          return metin;
54:      }
55:
56:      /// <summary>
57:      /// Girilen metnin basinda virgöl olup olmadigini kontrol eden metottur.
58:      /// </summary>
59:      /// <param name="text">Girdi metni</param>
60:      /// <returns>Girilen Metnin Olmasi Gerektigi Hali</returns>
61:      public static string TurkceKarakterleriDuzelt(string text)
62:      {
63:          text = text.Replace("ü", "u");
64:          text = text.Replace("i", "ı");
65:          text = text.Replace("ö", "o");
66:          text = text.Replace("ü", "u");
67:          text = text.Replace("s", "ş");
68:          text = text.Replace("g", "ğ");
69:          text = text.Replace("ç", "c");
70:          text = text.Replace("Ü", "U");
71:          text = text.Replace("İ", "I");
72:          text = text.Replace("Ö", "O");
73:          text = text.Replace("Û", "U");
74:          text = text.Replace("S", "Ş");
75:          text = text.Replace("G", "Ğ");
76:          text = text.Replace("Ç", "C");
77:          return text;
78:      }
79:

```



```

80:         /// <summary>
81:         /// Girilen metnin basinda virgöl olup olmadigini kontrol eden metottur.
82:         /// </summary>
83:         /// <param name="text">Girdi metni</param>
84:         /// <returns>Girilen Metnin Olmasi Gerektigi Hali</returns>
85:         public static string UTF8Duzelt(string text)
86:         {
87:             text = text.Replace("&ccedil;", "ç");
88:             text = text.Replace("&ouml;", "ö");
89:             text = text.Replace("&uuml;", "ü");
90:             text = text.Replace("&cedil;", "ç");
91:             text = text.Replace("&ouml;", "ö");
92:             text = text.Replace("&uuml;", "ü");
93:             return text;
94:         }
95:
96:         /// <summary>
97:         /// Girilen metnin basinda virgöl olup olmadigini kontrol eden metottur.
98:         /// </summary>
99:         /// <param name="text">Girdi metni</param>
100:        /// <returns>Girilen Metnin Olmasi Gerektigi Hali</returns>
101:        public static string HTMLDuzelt(string text)
102:        {
103:            var sc = new List<string>
104:            {
105:                // get rid of unnecessary tag spans (comments and title)
106:                @"<!--(\w|\W)+?-->",
107:                @"<title>(\w|\W)+?</title>",
108:                // Get rid of classes and styles
109:                @"\s?class=\w+",
110:                @"\s+style='[^']+'",
111:                // Get rid of unnecessary tags
112:                @"<(meta|link|/?o:|/?style|/?div|/?st\d|/?head|/?html|body|/?body|/?span|!\[^\>]*?>",
113:                // Get rid of empty paragraph tags
114:                @"(<[^\>]+>)+&nbsp;(</\w+>)+",
115:                @"<a[^\>]*(<[^\>]+></a>",
116:                @"<p[^\>]*(<[^\>]+></p>",
117:                // remove bizarre v: element attached to <img> tag
118:                @"\s+v:\w+=\""[^"]\""+",
119:                // remove extra lines
120:                @"(\n\r){2,}",
121:                "&nbsp;"
122:            };
123:            text = sc.Aggregate(text, (current, s) => Regex.Replace(current, s,
string.Empty, RegexOptions.IgnoreCase));
124:            text = Regex.Replace(text, "<.*?>", String.Empty);
125:            text = text.Replace("\r", " ").Replace("\n", " ").Replace("  ", "
").Trim();
126:            text = text.Replace("&rsquo;", "'");
127:            text = text.Replace("&rsquo;", "'");
128:            text = text.Replace("&rdquo;", "\"");
129:            text = text.Replace("&rdquo;", "\"");
130:
131:            text = text.Replace("&lsquo;", "'");
132:            text = text.Replace("&lsquo;", "'");
133:            text = text.Replace("&ldquo;", "\"");
134:            text = text.Replace("&ldquo;", "\"");
135:
136:            text = text.Replace("&lt;", "<");
137:            text = text.Replace("&gt;", ">");
138:            text = text.Replace("&", "&");
139:            //text = text.Replace("&lt;", "");
140:            //text = text.Replace("&p&gt;", "");
141:            //text = text.Replace("&/p&gt;", "");
142:            //text = text.Replace("&gt;", "");
143:            //return text;
144:            return text;
145:        }

```

```

146:
147:     public static string MetinIlkKarakterBuyukDigerleriKucukYap(string text) =>
text.First().ToString().ToUpper() + text.Substring(1);
148:
149:     /// <summary>
150:     /// Girilen bir metindeki tüm kelimelerin ilk harflerinin
151:     /// Büyük yapılması için hazırlanan metottur
152:     /// </summary>
153:     /// <param name="input">Girilen metin</param>
154:     /// <returns>Metnin Kelimelerinin İlk Harflerinin Büyüültülmüş Hali</returns>
155:     public static string MetinIlkKarakterleriBuyukYap(this string input)
156:     {
157:         var metinDuzenleyici = new StringBuilder();
158:         var wordList = input.Split(' ');
159:         var cultureInfo = new CultureInfo("tr-TR");
160:         foreach (var item in wordList)
161:         {
162:             if (item.Length > 1)
163:             {
164:                 metinDuzenleyici.Append(item.Substring(0, 1).ToUpper(cultureInfo));
165:                 metinDuzenleyici.Append(item.Substring(1).ToLower(cultureInfo));
166:                 metinDuzenleyici.Append(" ");
167:             }
168:             else if (item.Length == 1)
169:             {
170:                 metinDuzenleyici.Append(item.ToUpper(cultureInfo));
171:                 metinDuzenleyici.Append(" ");
172:             }
173:         }
174:         return metinDuzenleyici.ToString();
175:     }
176:
177:     /// <summary>
178:     /// Telefon No, E-Posta Adresi vb. metinsel veriler içerisindeki
179:     /// Bosluk, parantez, kısa çizgi gibi verilerin silinmesi için hazırlanmış
metottur
180:     /// </summary>
181:     /// <param name="metin">Girdi Metin Bilgisi</param>
182:     /// <returns>Çikti Metin Bilgisi</returns>
183:     private static string GereksizKarakterTemizle(string metin)
184:     {
185:         return metin.Replace("-", "").Replace(" ", "").Replace("(",
186:         "").Replace(")", "");
187:     }
188:
189:     /// <summary>
190:     /// Girilen telefon numarasının SMS gönderilecek hale getirilmesini sağlayan
metottur.
191:     /// </summary>
192:     /// <param name="telefonNo">Telefon No Bilgisi</param>
193:     /// <returns>Girilen Telefon Numarasının SMS Gönderilecek Hali</returns>
194:     public static string TelefonNoDuzenle(string telefonNo)
195:     {
196:         if (string.IsNullOrEmpty(telefonNo)) return string.Empty;
197:         telefonNo = GereksizKarakterTemizle(telefonNo);
198:         if (telefonNo.Length == 11)
199:         {
200:             telefonNo = telefonNo.Substring(telefonNo.Length - 10);
201:         }
202:         return telefonNo;
203:     }
204:
205:     /// <summary>
206:     /// Girilen metnin bosluklarinin kaldırilmasini saglayan metottur.
207:     /// </summary>
208:     /// <param name="metin">Telefon No Bilgisi</param>
209:     /// <returns>Girilen Metnin Istenen Hali</returns>
210:     public static string BoslukKaldir(string metin)

```



```

211:         {
212:             if (string.IsNullOrEmpty(metin)) return string.Empty;
213:             metin = GereksizKarakterTemizle(metin);
214:             return metin;
215:         }
216:
217:         /// <summary>
218:         /// Girilen mail adresinin geçerli olup olmadığını kontrol eden bir metottur
219:         /// </summary>
220:         /// <param name="email">E-Posta Adresi</param>
221:         /// <returns>Geçerli veya Geçerli Bilgisi</returns>
222:         public static bool MailAdresiGecerliMi(string email)
223:         {
224:             var gecerliMi = true;
225:             try
226:             {
227:                 var emailAddress = new MailAddress(email);
228:             }
229:             catch
230:             {
231:                 gecerliMi = false;
232:             }
233:             return gecerliMi;
234:         }
235:     }
236: }

```

Namespaces

Name	Description
CSharpHelperMethodsLibrary (see page 36)	This is namespace CSharpHelperMethodsLibrary.

1.3.11 Program.cs

This is file Program.cs.

Body Source

```

1: ?using System;
2: using System.Windows.Forms;
3:
4: namespace CSharpHelperMethods
5: {
6:     internal static class Program
7:     {
8:         /// <summary>
9:         /// The main entry point for the application.
10:        /// </summary>
11:        [STAThread]
12:        private static void Main()
13:        {
14:            Application.EnableVisualStyles();
15:            Application.SetCompatibleTextRenderingDefault(false);
16:            Application.Run(new FrmAnaSayfa());
17:        }
18:    }
19: }

```

Namespaces

Name	Description
CSharpHelperMethods (see page 1)	This is namespace CSharpHelperMethods.

1.3.12 Resources.Designer.cs

This code was generated by a tool. Runtime Version:4.0.30319.42000

Changes to this file may cause incorrect behavior and will be lost if the code is regenerated.

Body Source

```

1: ?//-----
2: // <auto-generated>
3: //     This code was generated by a tool.
4: //     Runtime Version:4.0.30319.42000
5: //
6: //     Changes to this file may cause incorrect behavior and will be lost if
7: //     the code is regenerated.
8: // </auto-generated>
9: //-----
10:
11: namespace CSharpHelperMethods.Properties
12: {
13:
14:
15:     /// <summary>
16:     ///     A strongly-typed resource class, for looking up localized strings, etc.
17:     /// </summary>
18:     /// This class was auto-generated by the StronglyTypedResourceBuilder
19:     /// class via a tool like ResGen or Visual Studio.
20:     /// To add or remove a member, edit your .ResX file then rerun ResGen
21:     /// with the /str option, or rebuild your VS project.
22:
23:     [global::System.CodeDom.Compiler.GeneratedCodeAttribute("System.Resources.Tools.StronglyTypedResourceBuilder",
24:     "4.0.0.0")]
25:     [global::System.Diagnostics.DebuggerNonUserCodeAttribute()]
26:     [global::System.Runtime.CompilerServices.CompilerGeneratedAttribute()]
27:     internal class Resources
28:     {
29:
30:         private static global::System.Resources.ResourceManager resourceMan;
31:
32:         private static global::System.Globalization.CultureInfo resourceCulture;
33:
34:         [global::System.Diagnostics.CodeAnalysis.SuppressMessageAttribute("Microsoft.Performance",
35:         "CA1811:AvoidUncalledPrivateCode")]
36:         internal Resources()
37:         {
38:
39:             /// <summary>
40:             ///     Returns the cached ResourceManager instance used by this class.
41:             /// </summary>
42:
43:             [global::System.ComponentModel.EditorBrowsableAttribute(global::System.ComponentModel.EditorBrowsableState.Advanced)]
44:             internal static global::System.Resources.ResourceManager ResourceManager
45:             {
46:                 get
47:                 {
48:                     if ((resourceMan == null))
49:                     {
50:                         global::System.Resources.ResourceManager temp = new
51:                         global::System.Resources.ResourceManager("CSharpHelperMethods.Properties.Resources",
52:                         typeof(Resources).Assembly);
53:                         resourceMan = temp;
54:                     }
55:                 }
56:             }
57:
58:             /// <summary>
59:             ///     The default resource culture used by this application.
60:             /// </summary>
61:             internal static CultureInfo ResourceCulture
62:             {
63:                 get
64:                 {
65:                     if ((resourceCulture == null))
66:                     {
67:                         CultureInfo temp = CultureInfo.CurrentUICulture;
68:                         resourceCulture = temp;
69:                     }
70:                 }
71:             }
72:
73:             /// <summary>
74:             ///     Returns the resource string from the resource dictionary.
75:             /// </summary>
76:             internal static string this[string name]
77:             {
78:                 get
79:                 {
80:                     return ResourceManager.GetString(name, resourceCulture);
81:                 }
82:             }
83:
84:             /// <summary>
85:             ///     Returns the resource string from the resource dictionary.
86:             /// </summary>
87:             internal static string this[string name, params object[] args]
88:             {
89:                 get
90:                 {
91:                     return ResourceManager.GetString(name, resourceCulture).Replace(args);
92:                 }
93:             }
94:
95:             /// <summary>
96:             ///     Returns the resource string from the resource dictionary.
97:             /// </summary>
98:             internal static string this[string name, string[] args]
99:             {
100:                 get
101:                 {
102:                     return ResourceManager.GetString(name, resourceCulture).Replace(args);
103:                 }
104:             }
105:
106:             /// <summary>
107:             ///     Returns the resource string from the resource dictionary.
108:             /// </summary>
109:             internal static string this[string name, object[] args]
110:             {
111:                 get
112:                 {
113:                     return ResourceManager.GetString(name, resourceCulture).Replace(args);
114:                 }
115:             }
116:
117:             /// <summary>
118:             ///     Returns the resource string from the resource dictionary.
119:             /// </summary>
120:             internal static string this[string name, string[] args, object[] args2]
121:             {
122:                 get
123:                 {
124:                     return ResourceManager.GetString(name, resourceCulture).Replace(args).Replace(args2);
125:                 }
126:             }
127:
128:             /// <summary>
129:             ///     Returns the resource string from the resource dictionary.
130:             /// </summary>
131:             internal static string this[string name, object[] args2, string[] args]
132:             {
133:                 get
134:                 {
135:                     return ResourceManager.GetString(name, resourceCulture).Replace(args2).Replace(args);
136:                 }
137:             }
138:
139:             /// <summary>
140:             ///     Returns the resource string from the resource dictionary.
141:             /// </summary>
142:             internal static string this[string name, string[] args, object[] args2]
143:             {
144:                 get
145:                 {
146:                     return ResourceManager.GetString(name, resourceCulture).Replace(args).Replace(args2);
147:                 }
148:             }
149:
150:             /// <summary>
151:             ///     Returns the resource string from the resource dictionary.
152:             /// </summary>
153:             internal static string this[string name, object[] args2, string[] args, object[] args3]
154:             {
155:                 get
156:                 {
157:                     return ResourceManager.GetString(name, resourceCulture).Replace(args2).Replace(args).Replace(args3);
158:                 }
159:             }
160:
161:             /// <summary>
162:             ///     Returns the resource string from the resource dictionary.
163:             /// </summary>
164:             internal static string this[string name, string[] args3, string[] args, object[] args2]
165:             {
166:                 get
167:                 {
168:                     return ResourceManager.GetString(name, resourceCulture).Replace(args3).Replace(args).Replace(args2);
169:                 }
170:             }
171:
172:             /// <summary>
173:             ///     Returns the resource string from the resource dictionary.
174:             /// </summary>
175:             internal static string this[string name, object[] args3, string[] args2, string[] args]
176:             {
177:                 get
178:                 {
179:                     return ResourceManager.GetString(name, resourceCulture).Replace(args3).Replace(args2).Replace(args);
180:                 }
181:             }
182:
183:             /// <summary>
184:             ///     Returns the resource string from the resource dictionary.
185:             /// </summary>
186:             internal static string this[string name, string[] args2, object[] args3, string[] args]
187:             {
188:                 get
189:                 {
190:                     return ResourceManager.GetString(name, resourceCulture).Replace(args2).Replace(args3).Replace(args);
191:                 }
192:             }
193:
194:             /// <summary>
195:             ///     Returns the resource string from the resource dictionary.
196:             /// </summary>
197:             internal static string this[string name, object[] args3, string[] args2, object[] args4]
198:             {
199:                 get
200:                 {
201:                     return ResourceManager.GetString(name, resourceCulture).Replace(args3).Replace(args2).Replace(args4);
202:                 }
203:             }
204:
205:             /// <summary>
206:             ///     Returns the resource string from the resource dictionary.
207:             /// </summary>
208:             internal static string this[string name, string[] args4, string[] args2, object[] args3]
209:             {
210:                 get
211:                 {
212:                     return ResourceManager.GetString(name, resourceCulture).Replace(args4).Replace(args2).Replace(args3);
213:                 }
214:             }
215:
216:             /// <summary>
217:             ///     Returns the resource string from the resource dictionary.
218:             /// </summary>
219:             internal static string this[string name, object[] args4, string[] args3, string[] args2]
220:             {
221:                 get
222:                 {
223:                     return ResourceManager.GetString(name, resourceCulture).Replace(args4).Replace(args3).Replace(args2);
224:                 }
225:             }
226:
227:             /// <summary>
228:             ///     Returns the resource string from the resource dictionary.
229:             /// </summary>
230:             internal static string this[string name, string[] args2, object[] args4, string[] args3]
231:             {
232:                 get
233:                 {
234:                     return ResourceManager.GetString(name, resourceCulture).Replace(args2).Replace(args4).Replace(args3);
235:                 }
236:             }
237:
238:             /// <summary>
239:             ///     Returns the resource string from the resource dictionary.
240:             /// </summary>
241:             internal static string this[string name, object[] args4, string[] args3, object[] args5]
242:             {
243:                 get
244:                 {
245:                     return ResourceManager.GetString(name, resourceCulture).Replace(args4).Replace(args3).Replace(args5);
246:                 }
247:             }
248:
249:             /// <summary>
250:             ///     Returns the resource string from the resource dictionary.
251:             /// </summary>
252:             internal static string this[string name, string[] args5, string[] args3, object[] args4]
253:             {
254:                 get
255:                 {
256:                     return ResourceManager.GetString(name, resourceCulture).Replace(args5).Replace(args3).Replace(args4);
257:                 }
258:             }
259:
260:             /// <summary>
261:             ///     Returns the resource string from the resource dictionary.
262:             /// </summary>
263:             internal static string this[string name, object[] args5, string[] args4, string[] args3]
264:             {
265:                 get
266:                 {
267:                     return ResourceManager.GetString(name, resourceCulture).Replace(args5).Replace(args4).Replace(args3);
268:                 }
269:             }
270:
271:             /// <summary>
272:             ///     Returns the resource string from the resource dictionary.
273:             /// </summary>
274:             internal static string this[string name, string[] args3, object[] args5, string[] args4]
275:             {
276:                 get
277:                 {
278:                     return ResourceManager.GetString(name, resourceCulture).Replace(args3).Replace(args5).Replace(args4);
279:                 }
280:             }
281:
282:             /// <summary>
283:             ///     Returns the resource string from the resource dictionary.
284:             /// </summary>
285:             internal static string this[string name, object[] args5, string[] args4, object[] args6]
286:             {
287:                 get
288:                 {
289:                     return ResourceManager.GetString(name, resourceCulture).Replace(args5).Replace(args4).Replace(args6);
290:                 }
291:             }
292:
293:             /// <summary>
294:             ///     Returns the resource string from the resource dictionary.
295:             /// </summary>
296:             internal static string this[string name, string[] args6, string[] args4, object[] args5]
297:             {
298:                 get
299:                 {
300:                     return ResourceManager.GetString(name, resourceCulture).Replace(args6).Replace(args4).Replace(args5);
301:                 }
302:             }
303:
304:             /// <summary>
305:             ///     Returns the resource string from the resource dictionary.
306:             /// </summary>
307:             internal static string this[string name, object[] args6, string[] args5, string[] args4]
308:             {
309:                 get
310:                 {
311:                     return ResourceManager.GetString(name, resourceCulture).Replace(args6).Replace(args5).Replace(args4);
312:                 }
313:             }
314:
315:             /// <summary>
316:             ///     Returns the resource string from the resource dictionary.
317:             /// </summary>
318:             internal static string this[string name, string[] args4, object[] args6, string[] args5]
319:             {
320:                 get
321:                 {
322:                     return ResourceManager.GetString(name, resourceCulture).Replace(args4).Replace(args6).Replace(args5);
323:                 }
324:             }
325:
326:             /// <summary>
327:             ///     Returns the resource string from the resource dictionary.
328:             /// </summary>
329:             internal static string this[string name, object[] args6, string[] args5, object[] args7]
330:             {
331:                 get
332:                 {
333:                     return ResourceManager.GetString(name, resourceCulture).Replace(args6).Replace(args5).Replace(args7);
334:                 }
335:             }
336:
337:             /// <summary>
338:             ///     Returns the resource string from the resource dictionary.
339:             /// </summary>
340:             internal static string this[string name, string[] args7, string[] args5, object[] args6]
341:             {
342:                 get
343:                 {
344:                     return ResourceManager.GetString(name, resourceCulture).Replace(args7).Replace(args5).Replace(args6);
345:                 }
346:             }
347:
348:             /// <summary>
349:             ///     Returns the resource string from the resource dictionary.
350:             /// </summary>
351:             internal static string this[string name, object[] args7, string[] args6, string[] args5]
352:             {
353:                 get
354:                 {
355:                     return ResourceManager.GetString(name, resourceCulture).Replace(args7).Replace(args6).Replace(args5);
356:                 }
357:             }
358:
359:             /// <summary>
360:             ///     Returns the resource string from the resource dictionary.
361:             /// </summary>
362:             internal static string this[string name, string[] args5, object[] args7, string[] args6]
363:             {
364:                 get
365:                 {
366:                     return ResourceManager.GetString(name, resourceCulture).Replace(args5).Replace(args7).Replace(args6);
367:                 }
368:             }
369:
370:             /// <summary>
371:             ///     Returns the resource string from the resource dictionary.
372:             /// </summary>
373:             internal static string this[string name, object[] args7, string[] args6, object[] args8]
374:             {
375:                 get
376:                 {
377:                     return ResourceManager.GetString(name, resourceCulture).Replace(args7).Replace(args6).Replace(args8);
378:                 }
379:             }
380:
381:             /// <summary>
382:             ///     Returns the resource string from the resource dictionary.
383:             /// </summary>
384:             internal static string this[string name, string[] args8, string[] args6, object[] args7]
385:             {
386:                 get
387:                 {
388:                     return ResourceManager.GetString(name, resourceCulture).Replace(args8).Replace(args6).Replace(args7);
389:                 }
390:             }
391:
392:             /// <summary>
393:             ///     Returns the resource string from the resource dictionary.
394:             /// </summary>
395:             internal static string this[string name, object[] args8, string[] args7, string[] args6]
396:             {
397:                 get
398:                 {
399:                     return ResourceManager.GetString(name, resourceCulture).Replace(args8).Replace(args7).Replace(args6);
400:                 }
401:             }
402:
403:             /// <summary>
404:             ///     Returns the resource string from the resource dictionary.
405:             /// </summary>
406:             internal static string this[string name, string[] args6, object[] args8, string[] args7]
407:             {
408:                 get
409:                 {
410:                     return ResourceManager.GetString(name, resourceCulture).Replace(args6).Replace(args8).Replace(args7);
411:                 }
412:             }
413:
414:             /// <summary>
415:             ///     Returns the resource string from the resource dictionary.
416:             /// </summary>
417:             internal static string this[string name, object[] args8, string[] args7, object[] args9]
418:             {
419:                 get
420:                 {
421:                     return ResourceManager.GetString(name, resourceCulture).Replace(args8).Replace(args7).Replace(args9);
422:                 }
423:             }
424:
425:             /// <summary>
426:             ///     Returns the resource string from the resource dictionary.
427:             /// </summary>
428:             internal static string this[string name, string[] args9, string[] args7, object[] args8]
429:             {
430:                 get
431:                 {
432:                     return ResourceManager.GetString(name, resourceCulture).Replace(args9).Replace(args7).Replace(args8);
433:                 }
434:             }
435:
436:             /// <summary>
437:             ///     Returns the resource string from the resource dictionary.
438:             /// </summary>
439:             internal static string this[string name, object[] args9, string[] args8, string[] args7]
440:             {
441:                 get
442:                 {
443:                     return ResourceManager.GetString(name, resourceCulture).Replace(args9).Replace(args8).Replace(args7);
444:                 }
445:             }
446:
447:             /// <summary>
448:             ///     Returns the resource string from the resource dictionary.
449:             /// </summary>
450:             internal static string this[string name, string[] args7, object[] args9, string[] args8]
451:             {
452:                 get
453:                 {
454:                     return ResourceManager.GetString(name, resourceCulture).Replace(args7).Replace(args9).Replace(args8);
455:                 }
456:             }
457:
458:             /// <summary>
459:             ///     Returns the resource string from the resource dictionary.
460:             /// </summary>
461:             internal static string this[string name, object[] args9, string[] args8, object[] args10]
462:             {
463:                 get
464:                 {
465:                     return ResourceManager.GetString(name, resourceCulture).Replace(args9).Replace(args8).Replace(args10);
466:                 }
467:             }
468:
469:             /// <summary>
470:             ///     Returns the resource string from the resource dictionary.
471:             /// </summary>
472:             internal static string this[string name, string[] args10, string[] args8, object[] args9]
473:             {
474:                 get
475:                 {
476:                     return ResourceManager.GetString(name, resourceCulture).Replace(args10).Replace(args8).Replace(args9);
477:                 }
478:             }
479:
480:             /// <summary>
481:             ///     Returns the resource string from the resource dictionary.
482:             /// </summary>
483:             internal static string this[string name, object[] args10, string[] args9, string[] args8]
484:             {
485:                 get
486:                 {
487:                     return ResourceManager.GetString(name, resourceCulture).Replace(args10).Replace(args9).Replace(args8);
488:                 }
489:             }
490:
491:             /// <summary>
492:             ///     Returns the resource string from the resource dictionary.
493:             /// </summary>
494:             internal static string this[string name, string[] args8, object[] args10, string[] args9]
495:             {
496:                 get
497:                 {
498:                     return ResourceManager.GetString(name, resourceCulture).Replace(args8).Replace(args10).Replace(args9);
499:                 }
500:             }
501:
502:             /// <summary>
503:             ///     Returns the resource string from the resource dictionary.
504:             /// </summary>
505:             internal static string this[string name, object[] args10, string[] args9, object[] args11]
506:             {
507:                 get
508:                 {
509:                     return ResourceManager.GetString(name, resourceCulture).Replace(args10).Replace(args9).Replace(args11);
510:                 }
511:             }
512:
513:             /// <summary>
514:             ///     Returns the resource string from the resource dictionary.
515:             /// </summary>
516:             internal static string this[string name, string[] args11, string[] args9, object[] args10]
517:             {
518:                 get
519:                 {
520:                     return ResourceManager.GetString(name, resourceCulture).Replace(args11).Replace(args9).Replace(args10);
521:                 }
522:             }
523:
524:             /// <summary>
525:             ///     Returns the resource string from the resource dictionary.
526:             /// </summary>
527:             internal static string this[string name, object[] args11, string[] args10, string[] args9]
528:             {
529:                 get
530:                 {
531:                     return ResourceManager.GetString(name, resourceCulture).Replace(args11).Replace(args10).Replace(args9);
532:                 }
533:             }
534:
535:             /// <summary>
536:             ///     Returns the resource string from the resource dictionary.
537:             /// </summary>
538:             internal static string this[string name, string[] args9, object[] args11, string[] args10]
539:             {
540:                 get
541:                 {
542:                     return ResourceManager.GetString(name, resourceCulture).Replace(args9).Replace(args11).Replace(args10);
543:                 }
544:             }
545:
546:             /// <summary>
547:             ///     Returns the resource string from the resource dictionary.
548:             /// </summary>
549:             internal static string this[string name, object[] args11, string[] args10, object[] args12]
550:             {
551:                 get
552:                 {
553:                     return ResourceManager.GetString(name, resourceCulture).Replace(args11).Replace(args10).Replace(args12);
554:                 }
555:             }
556:
557:             /// <summary>
558:             ///     Returns the resource string from the resource dictionary.
559:             /// </summary>
560:             internal static string this[string name, string[] args12, string[] args10, object[] args11]
561:             {
562:                 get
563:                 {
564:                     return ResourceManager.GetString(name, resourceCulture).Replace(args12).Replace(args10).Replace(args11);
565:                 }
566:             }
567:
568:             /// <summary>
569:             ///     Returns the resource string from the resource dictionary.
570:             /// </summary>
571:             internal static string this[string name, object[] args12, string[] args11, string[] args10]
572:             {
573:                 get
574:                 {
575:                     return ResourceManager.GetString(name, resourceCulture).Replace(args12).Replace(args11).Replace(args10);
576:                 }
577:             }
578:
579:             /// <summary>
580:             ///     Returns the resource string from the resource dictionary.
581:             /// </summary>
582:             internal static string this[string name, string[] args10, object[] args12, string[] args11]
583:             {
584:                 get
585:                 {
586:                     return ResourceManager.GetString(name, resourceCulture).Replace(args10).Replace(args12).Replace(args11);
587:                 }
588:             }
589:
590:             /// <summary>
591:             ///     Returns the resource string from the resource dictionary.
592:             /// </summary>
593:             internal static string this[string name, object[] args12, string[] args11, object[] args13]
594:             {
595:                 get
596:                 {
597:                     return ResourceManager.GetString(name, resourceCulture).Replace(args12).Replace(args11).Replace(args13);
598:                 }
599:             }
600:
601:             /// <summary>
602:             ///     Returns the resource string from the resource dictionary.
603:             /// </summary>
604:             internal static string this[string name, string[] args13, string[] args11, object[] args12]
605:             {
606:                 get
607:                 {
608:                     return ResourceManager.GetString(name, resourceCulture).Replace(args13).Replace(args11).Replace(args12);
609:                 }
610:             }
611:
612:             /// <summary>
613:             ///     Returns the resource string from the resource dictionary.
614:             /// </summary>
615:             internal static string this[string name, object[] args13, string[] args12, string[] args11]
616:             {
617:                 get
618:                 {
619:                     return ResourceManager.GetString(name, resourceCulture).Replace(args13).Replace(args12).Replace(args11);
620:                 }
621:             }
622:
623:             /// <summary>
624:             ///     Returns the resource string from the resource dictionary.
625:             /// </summary>
626:             internal static string this[string name, string[] args11, object[] args13, string[] args12]
627:             {
628:                 get
629:                 {
630:                     return ResourceManager.GetString(name, resourceCulture).Replace(args11).Replace(args13).Replace(args12);
631:                 }
632:             }
633:
634:             /// <summary>
635:             ///     Returns the resource string from the resource dictionary.
636:             /// </summary>
637:             internal static string this[string name, object[] args13, string[] args12, object[] args14]
638:             {
639:                 get
640:                 {
641:                     return ResourceManager.GetString(name, resourceCulture).Replace(args13).Replace(args12).Replace(args14);
642:                 }
643:             }
644:
645:             /// <summary>
646:             ///     Returns the resource string from the resource dictionary.
647:             /// </summary>
648:             internal static string this[string name, string[] args14, string[] args12, object[] args13]
649:             {
650:                 get
651:                 {
652:                     return ResourceManager.GetString(name, resourceCulture).Replace(args14).Replace(args12).Replace(args13);
653:                 }
654:             }
655:
656:             /// <summary>
657:             ///     Returns the resource string from the resource dictionary.
658:             /// </summary>
659:             internal static string this[string name, object[] args14, string[] args13, string[] args12]
660:             {
661:                 get
662:                 {
663:                     return ResourceManager.GetString(name, resourceCulture).Replace(args14).Replace(args13).Replace(args12);
664:                 }
665:             }
666:
667:             /// <summary>
668:             ///     Returns the resource string from the resource dictionary.
669:             /// </summary>
670:             internal static string this[string name, string[] args12, object[] args14, string[] args13]
671:             {
672:                 get
673:                 {
674:                     return ResourceManager.GetString(name, resourceCulture).Replace(args12).Replace(args14).Replace(args13);
675:                 }
676:             }
677:
678:             /// <summary>
679:             ///     Returns the resource string from the resource dictionary.
680:             /// </summary>
681:             internal static string this[string name, object[] args14, string[] args13, object[] args15]
682:             {
683:                 get
684:                 {
685:                     return ResourceManager.GetString(name, resourceCulture).Replace(args14).Replace(args13).Replace(args15);
686:                 }
687:             }
688:
689:             /// <summary>
690:             ///     Returns the resource string from the resource dictionary.
691:             /// </summary>
692:             internal static string this[string name, string[] args15, string[] args13, object[] args14]
693:             {
694:                 get
695:                 {
696:                     return ResourceManager.GetString(name, resourceCulture).Replace(args15).Replace(args13).Replace(args14);
697:                 }
698:             }
699:
700:             /// <summary>
701:             ///     Returns the resource string from the resource dictionary.
702:             /// </summary>
703:             internal static string this[string name, object[] args15, string[] args14, string[] args13]
704:             {
705:                 get
706:                 {
707:                     return ResourceManager.GetString(name, resourceCulture).Replace(args15).Replace(args14).Replace(args13);
708:                 }
709:             }
710:
711:             /// <summary>
712:             ///     Returns the resource string from the resource dictionary.
713:             /// </summary>
714:             internal static string this[string name, string[] args13, object[] args15, string[] args14]
715:             {
716:                 get
717:                 {
718:                     return ResourceManager.GetString(name, resourceCulture).Replace(args13).Replace(args15).Replace(args14);
719:                 }
720:             }
721:
722:             /// <summary>
723:             ///     Returns the resource string from the resource dictionary.
724:             /// </summary>
725:             internal static string this[string name, object[] args15, string[] args14, object[] args16]
726:             {
727:                 get
728:                 {
729:                     return ResourceManager.GetString(name, resourceCulture).Replace(args15).Replace(args14).Replace(args16);
730:                 }
731:             }
732:
733:             /// <summary>
734:             ///     Returns the resource string from the resource dictionary.
735:             /// </summary>
736:             internal static string this[string name, string[] args16, string[] args14, object[] args15]
737:             {
738:                 get
739:                 {
740:                     return ResourceManager.GetString(name, resourceCulture).Replace(args16).Replace(args14).Replace(args15);
741:                 }
742:             }
743:
744:             /// <summary>
745:             ///     Returns the resource string from the resource dictionary.
746:             /// </summary>
747:             internal static string this[string name, object[] args16, string[] args15, string[] args14]
748:             {
749:                 get
750:                 {
751:                     return ResourceManager.GetString(name, resourceCulture).Replace(args16).Replace(args15).Replace(args14);
752:                 }
753:             }
754:
755:             /// <summary>
756:             ///     Returns the resource string from the resource dictionary.
757:             /// </summary>
758:             internal static string this[string name, string[] args14, object[] args16, string[] args15]
759:             {
760:                 get
761:                 {
762:                     return ResourceManager.GetString(name, resourceCulture).Replace(args14).Replace(args16).Replace(args15);
763:                 }
764:             }
765:
766:             /// <summary>
767:             ///     Returns the resource string from the resource dictionary.
768:             /// </summary>
769:             internal static string this[string name, object[] args16, string[] args15, object[] args17]
770:             {
771:                 get
772:                 {
773:                     return ResourceManager.GetString(name, resourceCulture).Replace(args16).Replace(args15).Replace(args17);
774:                 }
775:             }
776:
777:             /// <summary>
778:             ///     Returns the resource string from the resource dictionary.
779:             /// </summary>
780:             internal static string this[string name, string[] args17, string[] args15, object[] args16]
781:             {
782:                 get
783:                 {
784:                     return ResourceManager.GetString(name, resourceCulture).Replace(args17).Replace(args15).Replace(args16);
785:                 }
786:             }
787:
788:             /// <summary>
789:             ///     Returns the resource string from the resource dictionary.
790:             /// </summary>
791:             internal static string this[string name, object[] args17, string[] args16, string[] args15]
792:             {
793:                 get
794:                 {
795:                     return ResourceManager.GetString(name, resourceCulture).Replace(args17).Replace(args16).Replace(args15);
796:                 }
797:             }
798:
799:             /// <summary>
800:             ///     Returns the resource string from the resource dictionary.
801:             /// </summary>
802:             internal static string this[string name, string[] args15, object[] args17, string[] args16]
803:             {
804:                 get
805:                 {
806:                     return ResourceManager.GetString(name, resourceCulture).Replace(args15).Replace(args17).Replace(args16);
807:                 }
808:             }
809:
810:             /// <summary>
811:             ///     Returns the resource string from the resource dictionary.
812:             /// </summary>
813:             internal static string this[string name, object[] args17, string[] args16, object[] args18]
814:             {
815:                 get
816:                 {
817:                     return ResourceManager.GetString(name, resourceCulture).Replace(args17).Replace(args16).Replace(args18);
818:                 }
819:             }
820:
821:             /// <summary>
822:             ///     Returns the resource string from the resource dictionary.
823:             /// </summary>
824:             internal static string this[string name, string[] args18, string[] args16, object[] args17]
825:             {
826:                 get
827:                 {
828:                     return ResourceManager.GetString(name, resourceCulture).Replace(args18).Replace(args16).Replace(args17);
829:                 }
830:             }
831:
832:             /// <summary>
833:             ///     Returns the resource string from the resource dictionary.
834:             /// </summary>
835:             internal static string this[string name, object[] args18, string[] args17, string[] args16]
836:             {
837:                 get
838:                 {
839:                     return ResourceManager.GetString(name, resourceCulture).Replace(args18).Replace(args17).Replace(args16);
840:                 }
841:             }
842:
843:             /// <summary>
844:             ///     Returns the resource string from the resource dictionary.
845:             /// </summary>
846:             internal static string this[string name, string[] args16, object[] args18, string[] args17]
847:             {
848:                 get
849:                 {
850:                     return ResourceManager.GetString(name, resourceCulture).Replace(args16).Replace(args18).Replace(args17);
851:                 }
852:             }
853:
854:             /// <summary>
855:             ///     Returns the resource string from the resource dictionary.
856:             /// </summary>
857:             internal static string this[string name, object[] args18, string[] args17, object[] args19]
858:             {
859:                 get
860:                 {
861:                     return ResourceManager.GetString(name, resourceCulture).Replace(args18).Replace(args17).Replace(args19);
862:                 }
863:             }
864:
865:             /// <summary>
866:             ///     Returns the resource string from the resource dictionary.
867:             /// </summary>
868:             internal static string this[string name, string[] args19, string[] args17, object[] args18]
869:             {
870:                 get
871:                 {
872:                     return ResourceManager.GetString(name, resourceCulture).Replace(args19).Replace(args17).Replace(args18);
873:                 }
874:             }
875:
876:             /// <summary>
877:             ///     Returns the resource string from the resource dictionary.
878:             /// </summary>
879:             internal static string this[string name, object[] args19, string[] args18, string[] args17]
880:             {
881:                 get
882:                 {
883:                     return ResourceManager.GetString(name, resourceCulture).Replace(args19).Replace(args18).Replace(args17);
884:                 }
885:             }
886:
887:             /// <summary>
888:             ///     Returns the resource string from the resource dictionary.
889:             /// </summary>
890:             internal static string this[string name, string[] args17, object[] args19, string[] args18]
891:             {
892:                 get
893:                 {
894:                     return ResourceManager.GetString(name, resourceCulture).Replace(args17).Replace(args19).Replace(args18);
895:                 }
896:             }
897:
898:             /// <summary>
899:             ///     Returns the resource string from the resource dictionary.
900:             /// </summary>
901:             internal static string this[string name, object[] args19, string[] args18, object[] args20]
902:             {
903:                 get
904:                 {
905:                     return ResourceManager.GetString(name, resourceCulture).Replace(args19).Replace(args18).Replace(args20);
906:                 }
907:             }
908:
909:             /// <summary>
910:             ///     Returns the resource string from the resource dictionary.
911:             /// </summary>
912:             internal static string this[string name, string[] args20, string[] args18, object[] args19]
913:             {
914:                 get
915:                 {
916:                     return ResourceManager.GetString(name, resourceCulture).Replace(args20).Replace(args18).Replace(args19);
917:                 }
918:             }
919:
920:             /// <summary>
921:             ///     Returns the resource string from the resource dictionary.
922:             /// </summary>
923:             internal static string this[string name, object[] args20, string[] args19, string[] args18]
924:             {
925:                 get
926:                 {
927:                     return ResourceManager.GetString(name, resourceCulture).Replace(args20).Replace(args19).Replace(args18);
928:                 }
929:             }
930:
931:             /// <summary>
932:             ///     Returns the resource string from the resource dictionary.
933:             /// </summary>
934:             internal static string this[string name, string[] args18, object[] args20, string[] args19]
935:             {
936:                 get
937:                 {
938:                     return ResourceManager.GetString(name, resourceCulture).Replace(args18).Replace(args20).Replace(args19);
939:                 }
940:             }
941:
942:             /// <summary>
943:             ///     Returns the resource string from the resource dictionary.
944:             /// </summary>
945:             internal static string this[string name, object[] args20, string[] args19, object[] args21]
946:             {
947:                 get
948:                 {
949:                     return ResourceManager.GetString(name, resourceCulture).Replace(args20).Replace(args19).Replace(args21);
950:                 }
951:             }
952:
953:             /// <summary>
954:             ///     Returns the resource string from the resource dictionary.
955:             /// </summary>
956:             internal static string this[string name, string[] args21, string[] args19, object[] args20]
957:             {
958:                 get
959:                 {
960:                     return ResourceManager.GetString(name, resourceCulture).Replace(args21).Replace(args19).Replace(args20);
961:                 }
962:             }
963:
964:             /// <summary>
965:             ///     Returns the resource string from the resource dictionary.
966:             /// </summary>
967:             internal static string this[string name, object[] args21, string[] args20, string[] args19]
968:             {
969:                 get

```

```

49:         }
50:         return resourceMan;
51:     }
52: }
53:
54: /// <summary>
55: /// Overrides the current thread's CurrentUICulture property for all
56: /// resource lookups using this strongly typed resource class.
57: /// </summary>
58: [global::System.ComponentModel.EditorBrowsableAttribute(global::System.ComponentModel.EditorBrowsableState.Advanced)]
59: internal static global::System.Globalization.CultureInfo Culture
60: {
61:     get
62:     {
63:         return resourceCulture;
64:     }
65:     set
66:     {
67:         resourceCulture = value;
68:     }
69: }
70: }
71: }

```

Namespaces

Name	Description
CSharpHelperMethods (see page 1)	This is namespace CSharpHelperMethods.

1.3.13 Sabitler.cs

This is file Sabitler.cs.

Body Source

```

1: ?namespace CSharpHelperMethodsLibrary
2: {
3:     /// <summary>
4:     /// Metin Sabitlerinin Bulundugu Sinif
5:     /// </summary>
6:     public static class Sabitler
7:     {
8:         public const string BaslangicTarihiGirilmedi = "Baslangiç Tarihi girilmediği için bu işlem gerçekleştirilemez.";
9:         //public const string BitisTarihiGirilmedi = "Bitis Tarihi girilmediği için bu işlem gerçekleştirilemez.";
10:        public const string BaslangicVeyaBitisTarihiGirilmedi = "Baslangiç Tarihi veya Bitis Tarihi girilmediği için bu işlem gerçekleştirilemez.";
11:        public const string BaslangicTarihiBuyuk = "Baslangiç Tarihi Bitis Tarihinden büyük olamaz.";
12:        public const string SifrelenecekMetinGirilmedi = "Sifrelenecek metin girilmediği için bu işlem gerçekleştirilemez.";
13:        public const string SifreMetniGirilmedi = "Sifre metni girilmediği için bu işlem gerçekleştirilemez.";
14:        public const string MetinGirilmedi = "Metin girilmediği için bu işlem gerçekleştirilemez.";
15:        public const string MetinSayisalDegil = "Girilen metin sayisal bir deger olmadığı için bu işlem gerçekleştirilemez.";
16:        public const string MetinTcKimlikNoDegil = "Girilen metin 11 karakter olmadığı için bu işlem gerçekleştirilemez. Karakter Sayisi: ";
17:        public const string MetinIbanNoDegil = "Girilen metin 26 karakter olmadığı için bu işlem gerçekleştirilemez.";
18:        public const string MetinTcKimlikNoVeyaVergiNoDegil = "Girilen metin 10 veya 11

```

```

karakter olmadigi için bu islem gerçekleştirilemez.";
19:     public const string EPostaAdresiGecerli = "Girilen e-posta adresi geçerli bir
e-posta adresidir";
20:     public const string EPostaAdresiGecerliDegil = "Girilen e-posta adresi geçerli
bir e-posta adresi degildir";
21:     }
22: }

```

Namespaces

Name	Description
CSharpHelperMethodsLibrary (see page 36)	This is namespace CSharpHelperMethodsLibrary.

1.3.14 Sayislemeleri.cs

This is file Sayislemeleri.cs.

Body Source

```

1: ?using System;
2: using System.Globalization;
3: using System.Linq;
4: using System.Text;
5:
6: namespace CSharpHelperMethodsLibrary
7: {
8:     /// <summary>
9:     /// Sayisal veri kontrol metotlarini barindiran sinif
10:    /// </summary>
11:    public static class SayiIslemeleri
12:    {
13:        /// <summary>
14:        /// Girilen bir metnin sayi olup olmadigini kontrol eden metottur.
15:        /// </summary>
16:        /// <param name="text">Girdi metni</param>
17:        /// <returns>Girilen Metnin Sayisal Olup Olmadigi Bilgisi</returns>
18:        public static bool SayisalMi(string text) => text.All(char.IsNumber);
19:
20:        /// <summary>
21:        /// Ekrandan alınan string degerde virgül olduğundan ajax metodu patladigi için
22:        /// Burada string olarak tutar verisi aliniyor
23:        /// Ve decimala çevriliyor
24:        /// </summary>
25:        /// <param name="metin">Girilen String Deger</param>
26:        /// <returns>Decimal Deger</returns>
27:        public static decimal SayiHalineCevir(string metin)
28:        {
29:            decimal val;
30:            if (metin.Contains("_") || metin.Contains(".") || metin.Contains(","))
31:            {
32:                if (!decimal.TryParse(metin.Replace(",", "").Replace(".", "",
33:                " ").Replace("_", " "), NumberStyles.Number,
34:                CultureInfo.InvariantCulture, out val))
35:                {
36:                    return 0;
37:                }
38:                return val / 100;
39:            }
40:            var value = decimal.TryParse(metin.Replace(",", "").Replace(".", "",
41:            " ").Replace("_", " "), NumberStyles.Number,
42:            CultureInfo.InvariantCulture, out val);
43:            return value ? val : 0;
44:        }
45:
46:        /// <summary>
47:        /// Elimizdeki tutar verilerinin

```

```

45:         /// Yazı formatında gösterilmesini sağlayacak bir metottur
46:         /// </summary>
47:         /// <param name="tutar">Girilen Sayı Bilgisi</param>
48:         /// <returns>Sayının Yazıya Dönüştürülmüş Hali</returns>
49:         public static string SayıYazıyaCevir(decimal tutar)
50:         {
51:             var sTutar = tutar.ToString("F2").Replace('.', ','); // Replace('.', ',')
ondalik ayracının . olma durumu için
52:             var lira = sTutar.Substring(0, sTutar.IndexOf(',')); //tutarın tam kısmı
53:             var kurus = sTutar.Substring(sTutar.IndexOf(',') + 1, 2);
54:             var yazi = new StringBuilder();
55:
56:             var birler = new[] { "", "BİR", "İKİ", "ÜÇ", "DÖRT", "BES", "ALTI", "YEDİ",
"SEKİZ", "DOKUZ" };
57:             var onlar = new[] { "", "ON", "YIRMI", "OTUZ", "KIRK", "ELLİ", "ALTMIS",
"YETMİS", "SEKSEN", "DOKSAN" };
58:             var binler = new[] { "KENTRİLYON", "KATRİLYON", "TRİLYON", "MİLYAR",
"MİLYON", "BİN", "" };
59:
60:             const int grupSayisi = 7;
61:             //sayıdaki 3'lü grup sayısı. katrilyon içi 6. (1.234,00 daki grup sayısı
2'dir.)
62:             //KATRİLYON'un basına ekleyeceğiniz her değer için grup sayisini artiriniz.
63:
64:             lira = lira.PadLeft(grupSayisi * 3, '0'); //sayının soluna '0' eklenerek
sayı 'grup sayısı x 3' basakmakli yapiliyor.
65:
66:             for (var i = 0; i < grupSayisi * 3; i += 3) //sayı 3'erli gruplar halinde
ele aliniyor.
67:             {
68:                 var grupDegeri = new StringBuilder();
69:
70:                 if (lira.Substring(i, 1) != "0")
71:                     grupDegeri.Append(birler[Convert.ToInt32(lira.Substring(i, 1))] +
"YÜZ"); //yüzler
72:                 if (grupDegeri.ToString().Equals("BİRÜZ"))
73:                     grupDegeri.Replace("BİRÜZ", "YÜZ");
74:                 grupDegeri.Append(onlar[Convert.ToInt32(lira.Substring(i + 1, 1))]);
//onlar
75:                 grupDegeri.Append(birler[Convert.ToInt32(lira.Substring(i + 2,
1))]); //birler
76:                 if (grupDegeri.Length > 0) //binler
77:                     grupDegeri.Append(binler[i / 3]);
78:                 if (grupDegeri.ToString().Equals("BİRBİN"))
79:                     grupDegeri.Replace("BİRBİN", "BİN");
80:
81:                 yazi.Append(grupDegeri);
82:             }
83:
84:             if (yazi.Length > 0)
85:                 yazi.Append(" TL ");
86:
87:             var yaziUzunlugu = yazi.Length;
88:
89:             if (kurus.Substring(0, 1) != "0") //kurus onlar
90:                 yazi.Append(onlar[Convert.ToInt32(kurus.Substring(0, 1))]);
91:
92:             if (kurus.Substring(1, 1) != "0") //kurus birler
93:                 yazi.Append(birler[Convert.ToInt32(kurus.Substring(1, 1))]);
94:
95:             yazi.Append(yazi.Length > yaziUzunlugu ? " KR." : "SIFIR KR.");
96:
97:             return yazi.ToString();
98:         }
99:
100:         /// <summary>
101:         /// Sadece rakamlardan olusan 6 haneli random sayı üreten metottur.
102:         /// </summary>
103:         /// <returns>6 Haneli Onay Kodu</returns>

```

```
104:         public static string AltiHaneliOnayKoduOlustur()
105:         {
106:             var rastgele = new Random();
107:             var sb = new StringBuilder();
108:             for (var i = 0; i < 6; i++)
109:             {
110:                 var ascii = rastgele.Next(48, 57); //Rakamlar
111:                 var karakter = Convert.ToChar(ascii);
112:                 sb.Append(karakter);
113:             }
114:
115:             return sb.ToString();
116:         }
117:     }
118: }
```

Namespaces

Name	Description
CSharpHelperMethodsLibrary (see page 36)	This is namespace CSharpHelperMethodsLibrary.

1.3.15 Settings.Designer.cs

This code was generated by a tool. Runtime Version:4.0.30319.42000

Changes to this file may cause incorrect behavior and will be lost if the code is regenerated.

Body Source

```
1:  ?//-----
2:  // <auto-generated>
3:  //     This code was generated by a tool.
4:  //     Runtime Version:4.0.30319.42000
5:  //
6:  //     Changes to this file may cause incorrect behavior and will be lost if
7:  //     the code is regenerated.
8:  // </auto-generated>
9:  //-----
10:
11: namespace CSharpHelperMethods.Properties
12: {
13:
14:
15:     [global::System.Runtime.CompilerServices.CompilerGeneratedAttribute()]
16:     [global::System.CodeDom.Compiler.GeneratedCodeAttribute("Microsoft.VisualStudio.Editors.SettingsDesigner.SettingsSingleFileGenerator",
17: "11.0.0.0")]
18:     internal sealed partial class Settings :
19: global::System.Configuration.ApplicationSettingsBase
20:     {
21:
22:         private static Settings defaultInstance =
23: ((Settings)(global::System.Configuration.ApplicationSettingsBase.Synchronized(new
24: Settings())));
25:
26:         public static Settings Default
27:         {
28:             get
29:             {
30:                 return defaultInstance;
31:             }
32:         }
33:     }
34: }
```

Namespaces

Name	Description
CSharpHelperMethods (see page 1)	This is namespace CSharpHelperMethods.

1.3.16 Sifrelemelslemleri.cs

This is file Sifrelemelslemleri.cs.

Body Source

```

1: ?using System;
2: using System.Collections.Generic;
3: using System.Linq;
4: using System.Security.Cryptography;
5: using System.Text;
6: using System.Text.RegularExpressions;
7:
8: namespace CSharpHelperMethodsLibrary
9: {
10:     /// <summary>
11:     /// Sifre ile ilgili islemler sinifi
12:     /// </summary>
13:     public static class SifrelemeIslemleri
14:     {
15:         /// <summary>
16:         /// Kullanici sifresinin SHA yöntemiyle sifrelenmesini saglayan metottur.
17:         /// </summary>
18:         /// <param name="text">Sifrelenecek Metin</param>
19:         /// <returns>Girdi Metninin Sifrelenmis Hali</returns>
20:         public static string HesaplaSHA512(string text)
21:         {
22:             var sha512 = new SHA512Managed();
23:             var encryptedSha512 = sha512.ComputeHash(Encoding.UTF8.GetBytes(text));
24:             var strHex = encryptedSha512.Aggregate("", (current, b) =>
25:                 $"{{current}}{{b:x2}}");
26:             return strHex.ToUpper();
27:         }
28:         /// <summary>
29:         /// Kullanici sifresinin SHA yöntemiyle sifrelenmesini saglayan metottur.
30:         /// </summary>
31:         /// <param name="text">Sifrelenecek Metin</param>
32:         /// <returns>Girdi Metninin Sifrelenmis Hali</returns>
33:         public static string HesaplaSHA256(string text)
34:         {
35:             var sha256 = SHA256.Create();
36:             var bytes = Encoding.UTF8.GetBytes(text);
37:             var hash = sha256.ComputeHash(bytes);
38:             var result = new StringBuilder();
39:             foreach (var t in hash)
40:             {
41:                 result.Append(t.ToString("X2"));
42:             }
43:             return result.ToString();
44:         }
45:         /// <summary>
46:         /// Kullanici sifresinin MD5 yöntemiyle sifrelenmesini saglayan metottur.
47:         /// </summary>
48:         /// <param name="text">Sifrelenecek Metin</param>
49:         /// <returns>Girdi Metninin Sifrelenmis Hali</returns>
50:         public static string HesaplaMD5(string text)
51:         {
52:

```

```

53:         var md5 = MD5.Create();
54:         var inputBytes = Encoding.ASCII.GetBytes(text);
55:         var hash = md5.ComputeHash(inputBytes);
56:
57:         var sb = new StringBuilder();
58:         foreach (var t in hash)
59:         {
60:             sb.Append(t.ToString("X2"));
61:         }
62:         return sb.ToString();
63:     }
64:
65:     /// <summary>
66:     /// sifreyi kriterlere göre kontrol edip
67:     /// uymayan kosullarini string listesine geri dönüş yapan methoddur.
68:     /// Uygun olmasi durumunda null döndürecektir.
69:     /// </summary>
70:     /// <param name="text">Kullanici Sifresi</param>
71:     /// <returns>Sifrenin Uygun Olup Olmadigi Bilgisi (Açiklamasi ile
beraber)</returns>
72:     public static string SifreUygunMu(string text)
73:     {
74:         //bu kisimda sifrenin olmasi gereken kosullari degerlendirilecek.
75:         var mesajlar = new List<string>();
76:
77:         if (text.Length < 8)
78:             mesajlar.Add("Parola en az 8 karakter olmalidir.");
79:
80:         if (!Regex.IsMatch(text, @"^(?=.*[a-z])", RegexOptions.ECMAScript))
81:             mesajlar.Add("Parola en az bir küçük harf içermelidir.");
82:
83:         if (!Regex.IsMatch(text, @"^(?=.*[A-Z])", RegexOptions.ECMAScript))
84:             mesajlar.Add("Parola en az bir büyük harf içermelidir.");
85:
86:         if (!Regex.IsMatch(text, @"^(?=.*[!@#%&*?_~,-,£,(,)]",
RegexOptions.ECMAScript))
87:             mesajlar.Add("Parola en az bir noktalama isareti içermelidir.");
88:
89:         if (!Regex.IsMatch(text, @"^(?=.*[0-9])", RegexOptions.ECMAScript))
90:             mesajlar.Add("Parola en az bir rakam içermelidir.");
91:
92:         if (mesajlar.Count < 1)
93:             return "Uygun";
94:         var sonuc = mesajlar.Aggregate("", (current, item) => current + item + ",
");
95:         sonuc = sonuc.Substring(0, sonuc.Length - 2);
96:         return sonuc;
97:     }
98:
99:     /// <summary>
100:    /// 8 karakter uzunlugunda Rastgele sifre olusturur.
101:    /// </summary>
102:    /// <returns>Sifrelenmis Metin Bilgisi</returns>
103:    public static string RastgeleSifreUret()
104:    {
105:        var sifreUzunluk = 8;
106:        const string gecerliKarakterler =
"abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ1234567890";
107:        var sifre = new StringBuilder(100);
108:        var random = new Random();
109:        while (0 < sifreUzunluk--)
110:        {
111:            sifre.Append(gecerliKarakterler[random.Next(gecerliKarakterler.Length)]);
112:        }
113:        return sifre.ToString();
114:    }
115: }
116: }

```


Namespaces

Name	Description
CSharpHelperMethodsLibrary (see page 36)	This is namespace CSharpHelperMethodsLibrary.

1.3.17 Siralamalslemleri.cs

This is file Siralamalslemleri.cs.

Body Source

```

1: ?using System;
2: using System.Globalization;
3: using System.Text;
4: using static System.String;
5:
6: namespace CSharpHelperMethodsLibrary
7: {
8:     /// <summary>
9:     /// Alfa numerik siralama için hazirlanmis bir metod
10:    /// </summary>
11:    public static class SiralamaIslemleri
12:    {
13:        private enum ChunkType { Alphanumeric, Numeric }
14:
15:        private static bool InChunk(char ch, char otherCh)
16:        {
17:            var type = ChunkType.Alphanumeric;
18:
19:            if (char.IsDigit(otherCh))
20:            {
21:                type = ChunkType.Numeric;
22:            }
23:
24:            return (type != ChunkType.Alphanumeric || !char.IsDigit(ch)) && (type !=
ChunkType.Numeric || char.IsDigit(ch));
25:        }
26:
27:        public static int Compare(string x, string y)
28:        {
29:            if (IsNullOrEmpty(x) || IsNullOrEmpty(y)) return 0;
30:            var thisMarker = 0;
31:            var thatMarker = 0;
32:
33:            while (thisMarker < x.Length || thatMarker < y.Length)
34:            {
35:                if (thisMarker >= x.Length)
36:                {
37:                    return -1;
38:                }
39:                if (thatMarker >= y.Length)
40:                {
41:                    return 1;
42:                }
43:
44:                var thisCh = x[thisMarker];
45:                var thatCh = y[thatMarker];
46:
47:                var thisChunk = new StringBuilder();
48:                var thatChunk = new StringBuilder();
49:
50:                while (thisMarker < x.Length && (thisChunk.Length == 0 ||
InChunk(thisCh, thisChunk[0])))
51:                {

```

```

52:         thisChunk.Append(thisCh);
53:         thisMarker++;
54:
55:         if (thisMarker < x.Length)
56:         {
57:             thisCh = x[thisMarker];
58:         }
59:     }
60:
61:     while (thatMarker < y.Length && (thatChunk.Length == 0 ||
InChunk(thatCh, thatChunk[0])))
62:     {
63:         thatChunk.Append(thatCh);
64:         thatMarker++;
65:
66:         if (thatMarker < y.Length)
67:         {
68:             thatCh = y[thatMarker];
69:         }
70:     }
71:
72:     var result = 0;
73:     // If both chunks contain numeric characters, sort them numerically
74:     if (char.IsDigit(thisChunk[0]) && char.IsDigit(thatChunk[0]))
75:     {
76:         var thisNumericChunk = Convert.ToInt64(thisChunk.ToString());
77:         var thatNumericChunk = Convert.ToInt64(thatChunk.ToString());
78:
79:         if (thisNumericChunk < thatNumericChunk)
80:         {
81:             result = -1;
82:         }
83:
84:         if (thisNumericChunk > thatNumericChunk)
85:         {
86:             result = 1;
87:         }
88:     }
89:     else
90:     {
91:         var ci = new CultureInfo("tr-TR");
92:         result = String.Compare(thisChunk.ToString(),
thatChunk.ToString(), true,
93:             ci);
94:         //result = thisChunk.ToString().CompareTo(thatChunk.ToString());
95:     }
96:
97:     if (result == 0) continue;
98:     return result;
99: }
100: return 0;
101: }
102: }
103: }

```

Namespaces

Name	Description
CSharpHelperMethodsLibrary (see page 36)	This is namespace CSharpHelperMethodsLibrary.

1.3.18 Tarihslemleri.cs

This is file Tarihslemleri.cs.

Body Source

```

1: ?using System;
2: using System.Text;
3:
4: namespace CSharpHelperMethodsLibrary
5: {
6:     /// <summary>
7:     /// Tarihsel veri kontrol metotlarini barindiran sinif
8:     /// </summary>
9:     public static class TarihIslemleri
10:    {
11:        /// <summary>
12:        /// Filtre ekranlarinda baslangic ve bitis tarihi üzerinden sorgulama
yapildiginda
13:        /// Eger ayni gün için sorgulama yapiliyorsa
14:        /// Bitis tarihini o günün 23.59.59.999'una ayarlamak için
15:        /// Hazirlanan metottur
16:        /// </summary>
17:        /// <param name="dateTime">Tarih Bilgisi</param>
18:        /// <param name="hours">Saat Bilgisi</param>
19:        /// <param name="minutes">Dakika Bilgisi</param>
20:        /// <param name="seconds">Saniye Bilgisi</param>
21:        /// <param name="milliseconds">Mili Saniye Bilgisi</param>
22:        /// <returns>Yeni Tarih Bilgisi</returns>
23:        public static DateTime ZamaniDegistir(this DateTime dateTime, int hours, int
minutes, int seconds, int milliseconds)
24:        {
25:            return new DateTime(
26:                dateTime.Year,
27:                dateTime.Month,
28:                dateTime.Day,
29:                hours,
30:                minutes,
31:                seconds,
32:                milliseconds,
33:                dateTime.Kind);
34:        }
35:
36:        /// <summary>
37:        /// Yas hesaplamak için kullanılan metottur
38:        /// </summary>
39:        /// <param name="dogumTarihi">Dogum Tarihi Bilgisi</param>
40:        /// <returns>Yas Bilgisi</returns>
41:        public static int YasHesapla(DateTime dogumTarihi)
42:        {
43:            var now = DateTime.Now;
44:            var years = new DateTime(DateTime.Now.Subtract(dogumTarihi).Ticks).Year -
1;
45:            var pastYearDate = dogumTarihi.AddYears(years);
46:            for (var i = 1; i <= 12; i++)
47:            {
48:                if (pastYearDate.AddMonths(i) == now)
49:                    break;
50:                if (pastYearDate.AddMonths(i) < now) continue;
51:                break;
52:            }
53:            return years;
54:        }
55:
56:        /// <summary>
57:        /// Yas hesaplamak için kullanılan metottur
58:        /// </summary>
59:        /// <param name="dogumTarihi">Dogum Tarihi Bilgisi</param>
60:        /// <returns>Yas Bilgisi (Metinsel olarak)</returns>
61:        public static string YasHesaplaMetinsel(DateTime dogumTarihi)
62:        {
63:            var now = DateTime.Now;

```

```

64:         var years = new DateTime(DateTime.Now.Subtract(dogumTarihi).Ticks).Year -
1;
65:         var pastYearDate = dogumTarihi.AddYears(years);
66:         var months = 0;
67:         for (var i = 1; i <= 12; i++)
68:         {
69:             if (pastYearDate.AddMonths(i) == now)
70:             {
71:                 months = i;
72:                 break;
73:             }
74:
75:             if (pastYearDate.AddMonths(i) < now) continue;
76:             months = i - 1;
77:             break;
78:         }
79:         var days = now.Subtract(pastYearDate.AddMonths(months)).Days;
80:         // var hours = now.Subtract(pastYearDate).Hours;
81:         // var minutes = now.Subtract(pastYearDate).Minutes;
82:         // var seconds = now.Subtract(pastYearDate).Seconds;
83:         return $"Yas: {years} Yil {months} Ay {days} Gün";
84:         //return String.Format("Yas: {0} Yil {1} Ay {2} Gün {3} Saat {4} Saniye",
85:         //years, months, Days, Hours, Seconds);
86:     }
87:
88:     /// <summary>
89:     /// Iki tarih arasinda kaç gün olduğunu hesaplamak için kullanılan metottur
90:     /// </summary>
91:     /// <param name="baslangicTarihi">Baslangiç Tarihi Bilgisi</param>
92:     /// <param name="bitisTarihi">Bitis Tarihi Bilgisi</param>
93:     /// <returns>Tarih Araligi Bilgisi</returns>
94:     public static string TarihAraligiHesapla(DateTime baslangicTarihi, DateTime
bitisTarihi)
95:     {
96:         var years = new DateTime(bitisTarihi.Subtract(baslangicTarihi).Ticks).Year
- 1;
97:         var pastYearDate = baslangicTarihi.AddYears(years);
98:         var months = 0;
99:         for (var i = 1; i <= 12; i++)
100:         {
101:             if (pastYearDate.AddMonths(i) == bitisTarihi)
102:             {
103:                 months = i;
104:                 break;
105:             }
106:
107:             if (pastYearDate.AddMonths(i) < bitisTarihi) continue;
108:             months = i - 1;
109:             break;
110:         }
111:         var days = bitisTarihi.Subtract(pastYearDate.AddMonths(months)).Days;
112:         var result = new StringBuilder();
113:         result.Append(years.ToString().PadLeft(2, '0'));
114:         result.Append(" Yil, ");
115:         result.Append(months.ToString().PadLeft(2, '0'));
116:         result.Append(" Ay, ");
117:         result.Append(days.ToString().PadLeft(2, '0'));
118:         result.Append(" Gün");
119:         return result.ToString();
120:     }
121:
122:     /// <summary>
123:     /// Kidem Tazminatı Hesaplaması Yapılırken ayda kaç gün olursa olsun tamamında
çalışmıssa
124:     /// 30 gün üzerinden hesaplanması gerektiği için
125:     /// İsten ayrılış ve iş başlangıç tarihleri arasında kaç gün geçtiğini
belirtmek için
126:     /// Hesaplama yapılmasını sağlayan metottur.
127:     /// </summary>

```

```

128:         /// <param name="baslangicTarihi">Baslangiç Tarihi Bilgisi</param>
129:         /// <param name="bitisTarihi">Bitis Tarihi Bilgisi</param>
130:         /// <returns>Gün Sayisi Bilgisi</returns>
131:         public static int KidemTazminatıTarihAralığıHesapla(DateTime? baslangicTarihi,
132:         DateTime? bitisTarihi)
133:         {
134:             var artacakMi = true;
135:             var result = 0;
136:             var baslangicMi = false;
137:             var bitisMi = false;
138:             var aylikGunSayisi = 0;
139:             for (var date = (DateTime)baslangicTarihi; date <= (DateTime)bitisTarihi;
140:             date = date.AddDays(1))
141:             {
142:                 if (!artacakMi)
143:                     result++;
144:                 else
145:                     artacakMi = false;
146:
147:                 if (date.Day == 1)
148:                     baslangicMi = true;
149:                 else if (date.Day == DateTime.DaysInMonth(date.Year, date.Month))
150:                     bitisMi = true;
151:
152:                 if (baslangicMi)
153:                     aylikGunSayisi++;
154:                 if (baslangicMi && bitisMi && aylikGunSayisi != 30)
155:                 {
156:                     result = result - aylikGunSayisi + 30;
157:                     baslangicMi = false;
158:                     bitisMi = false;
159:                     aylikGunSayisi = 0;
160:                 }
161:                 else if (bitisMi)
162:                 {
163:                     baslangicMi = false;
164:                     bitisMi = false;
165:                     aylikGunSayisi = 0;
166:                 }
167:             }
168:             if (baslangicTarihi.Value.Day > bitisTarihi.Value.Day)
169:                 result--;
170:             return result;
171:         }
172:         /// <summary>
173:         /// Girilen iki tarih arasında kaç ay olduğunu bulan metottur
174:         /// </summary>
175:         /// <param name="lValue">İlk tarih bilgisi</param>
176:         /// <param name="rValue">Son tarih bilgisi</param>
177:         /// <returns>Ay Farkı Bilgisi</returns>
178:         public static int AyFarkı(DateTime lValue, DateTime rValue) =>
179:             Math.Abs(lValue.Month - rValue.Month + 12 * (lValue.Year - rValue.Year));
180:     }

```

Namespaces

Name	Description
CSharpHelperMethodsLibrary (see page 36)	This is namespace CSharpHelperMethodsLibrary.

Index

A

Alphanumeric enumeration member 61
AssemblyInfo.cs 68

C

CSharpHelperMethods 1
CSharpHelperMethods namespace 1
 Classes 4
CSharpHelperMethods.csproj 69
CSharpHelperMethods.FrmAnaSayfa 4
CSharpHelperMethods.FrmAnaSayfa.btnAyFarki 6
CSharpHelperMethods.FrmAnaSayfa.btnEPostaDogrula 7
CSharpHelperMethods.FrmAnaSayfa.btnEPostaKontrol 7
CSharpHelperMethods.FrmAnaSayfa.btnIbanDogrula 7
CSharpHelperMethods.FrmAnaSayfa.btnIlkHarfiBuyukYap 7
CSharpHelperMethods.FrmAnaSayfa.btnIlkHarfleriBuyukYap 7
CSharpHelperMethods.FrmAnaSayfa.btnMd5Hash 7
CSharpHelperMethods.FrmAnaSayfa.btnMetinSifrele 7
CSharpHelperMethods.FrmAnaSayfa.btnMetneDonustur 8
CSharpHelperMethods.FrmAnaSayfa.btnOnayKoduOlustur 8
CSharpHelperMethods.FrmAnaSayfa.btnRastgeleSifreUret 8
CSharpHelperMethods.FrmAnaSayfa.btnSayisalMi 8
CSharpHelperMethods.FrmAnaSayfa.btnSha256Hash 8
CSharpHelperMethods.FrmAnaSayfa.btnSha512Hash 8
CSharpHelperMethods.FrmAnaSayfa.btnSifreUygunMu 9
CSharpHelperMethods.FrmAnaSayfa.btnTarihAraligi 9
CSharpHelperMethods.FrmAnaSayfa.btnTcKimlikDogrula 9
CSharpHelperMethods.FrmAnaSayfa.btnTelefonNoDuzenle 9
CSharpHelperMethods.FrmAnaSayfa.btnTurkceKarakterDuzelt 9
CSharpHelperMethods.FrmAnaSayfa.btnYasHesapla 9
CSharpHelperMethods.FrmAnaSayfa.btnYasHesaplaMetinsel 9
CSharpHelperMethods.FrmAnaSayfa.cmbIstemTuru 10
CSharpHelperMethods.FrmAnaSayfa.cmbIstemTuru_SelectedIndexChanged 15
CSharpHelperMethods.FrmAnaSayfa.components 10
CSharpHelperMethods.FrmAnaSayfa.Dispose 23
CSharpHelperMethods.FrmAnaSayfa.dtpBaslangicTarihi 10
CSharpHelperMethods.FrmAnaSayfa.dtpBitisTarihi 10
CSharpHelperMethods.FrmAnaSayfa.FrmAnaSayfa 6
CSharpHelperMethods.FrmAnaSayfa.FrmAnaSayfa_Load 24
CSharpHelperMethods.FrmAnaSayfa.InitializeComponent 25
CSharpHelperMethods.FrmAnaSayfa.label1 10
CSharpHelperMethods.FrmAnaSayfa.label10 10
CSharpHelperMethods.FrmAnaSayfa.label11 10
CSharpHelperMethods.FrmAnaSayfa.label12 11
CSharpHelperMethods.FrmAnaSayfa.label13 11
CSharpHelperMethods.FrmAnaSayfa.label14 11
CSharpHelperMethods.FrmAnaSayfa.label15 11
CSharpHelperMethods.FrmAnaSayfa.label16 11
CSharpHelperMethods.FrmAnaSayfa.label17 11
CSharpHelperMethods.FrmAnaSayfa.label2 12
CSharpHelperMethods.FrmAnaSayfa.label3 12
CSharpHelperMethods.FrmAnaSayfa.label4 12
CSharpHelperMethods.FrmAnaSayfa.label5 12
CSharpHelperMethods.FrmAnaSayfa.label6 12
CSharpHelperMethods.FrmAnaSayfa.label7 12
CSharpHelperMethods.FrmAnaSayfa.label8 12
CSharpHelperMethods.FrmAnaSayfa.label9 13
CSharpHelperMethods.FrmAnaSayfa.lbKisiSonuc 13
CSharpHelperMethods.FrmAnaSayfa.lbMetinSonuc 13
CSharpHelperMethods.FrmAnaSayfa.lbSayiSonuc 13
CSharpHelperMethods.FrmAnaSayfa.lbSifreSonuc 13
CSharpHelperMethods.FrmAnaSayfa.lbSonuc 13
CSharpHelperMethods.FrmAnaSayfa.pnlKisiIslemleri 14
CSharpHelperMethods.FrmAnaSayfa.pnlMetinIslemleri 14
CSharpHelperMethods.FrmAnaSayfa.pnlSayiIslemleri 14
CSharpHelperMethods.FrmAnaSayfa.pnlSifreIslemleri 14
CSharpHelperMethods.FrmAnaSayfa.pnlTarihIslemleri 14
CSharpHelperMethods.FrmAnaSayfa.txtKisiMetni 14
CSharpHelperMethods.FrmAnaSayfa.txtMetin 14
CSharpHelperMethods.FrmAnaSayfa.txtSayi 15
CSharpHelperMethods.FrmAnaSayfa.txtSifrelenecekMetin 15
CSharpHelperMethods.Program 35
CSharpHelperMethods.Program.Main 36
CSharpHelperMethods.Properties 1

CSharpHelperMethods.Properties namespace 1	CSharpHelperMethodsLibrary.KisiIslemleri 43
Classes 1	CSharpHelperMethodsLibrary.KisiIslemleri.DogrulaEPosta 43
CSharpHelperMethods.Properties.Resources 1	CSharpHelperMethodsLibrary.KisiIslemleri.DogrulaIBAN 44
CSharpHelperMethods.Properties.Resources.Culture 3	CSharpHelperMethodsLibrary.KisiIslemleri.DogrulaTcKimlikNo 45
CSharpHelperMethods.Properties.Resources.resourceCulture 45	CSharpHelperMethodsLibrary.MetinIslemleri 45
2	CSharpHelperMethodsLibrary.MetinIslemleri.BoslukKaldir 46
CSharpHelperMethods.Properties.Resources.resourceMan 3	CSharpHelperMethodsLibrary.MetinIslemleri.GereksizKarakter Temizle 46
CSharpHelperMethods.Properties.Resources.ResourceManag er 3	CSharpHelperMethodsLibrary.MetinIslemleri.HTMLDuzelt 47
CSharpHelperMethods.Properties.Resources.Resources 2	CSharpHelperMethodsLibrary.MetinIslemleri.IdealMetinGetir 48
CSharpHelperMethods.Properties.Settings 3	CSharpHelperMethodsLibrary.MetinIslemleri.MailAdresiGecerliMi 48
CSharpHelperMethods.Properties.Settings.Default 4	CSharpHelperMethodsLibrary.MetinIslemleri.MetinIlkKarakter BuyukDigerleriKucukYap 49
CSharpHelperMethods.Properties.Settings.defaultInstance 4	CSharpHelperMethodsLibrary.MetinIslemleri.MetinIlkKarakterleriBuyukYap 49
CSharpHelperMethods.sln 69	CSharpHelperMethodsLibrary.MetinIslemleri.MetinSifrele 49
CSharpHelperMethodsLibrary 36	CSharpHelperMethodsLibrary.MetinIslemleri.MetinZararliKarakterDuzelt 50
CSharpHelperMethodsLibrary namespace 36	CSharpHelperMethodsLibrary.MetinIslemleri.TelefonNoDuzelt 50
Classes 36	CSharpHelperMethodsLibrary.MetinIslemleri.text.First 50
CSharpHelperMethodsLibrary.csproj 69	CSharpHelperMethodsLibrary.MetinIslemleri.text.Substring 51
CSharpHelperMethodsLibrary.DataTableIslemleri 37	CSharpHelperMethodsLibrary.MetinIslemleri.ToString 51
CSharpHelperMethodsLibrary.DataTableIslemleri.BaseType 37	CSharpHelperMethodsLibrary.MetinIslemleri.ToUpper 51
CSharpHelperMethodsLibrary.DataTableIslemleri.Nullable.Get UnderlyingType 38	CSharpHelperMethodsLibrary.MetinIslemleri.TurkceKarakterleriDuzelt 51
CSharpHelperMethodsLibrary.DataTableIslemleri.oType.GetG enericTypeDefinition 38	CSharpHelperMethodsLibrary.MetinIslemleri.UTF8Duzelt 52
CSharpHelperMethodsLibrary.DataTableIslemleri.ToDataTabl e 38	CSharpHelperMethodsLibrary.Sabitler 52
CSharpHelperMethodsLibrary.DataTableIslemleri.typeof 39	CSharpHelperMethodsLibrary.Sabitler.BaslangicTarihiBuyuk 53
CSharpHelperMethodsLibrary.Dosyalslemleri 40	CSharpHelperMethodsLibrary.Sabitler.BaslangicTarihiGirilmedi 53
CSharpHelperMethodsLibrary.Dosyalslemleri.DosyaKilitliMi 40	CSharpHelperMethodsLibrary.Sabitler.BaslangicVeyaBitisTarihiGirilmedi 53
CSharpHelperMethodsLibrary.Dosyalslemleri.DosyaUzantisiU ygunMu 41	CSharpHelperMethodsLibrary.Sabitler.EPostaAdresiGecerli 53
CSharpHelperMethodsLibrary.Dosyalslemleri.GetirDosyaUzan tisiMimeTypeelle 41	
CSharpHelperMethodsLibrary.Dosyalslemleri.GetirIcerikTipiD osyaUzantisille 42	
CSharpHelperMethodsLibrary.Dosyalslemleri.GuvenliDizinOlu stur 43	

CSharpHelperMethodsLibrary.Sabitler.EPostaAdresiGecerliDegil 53	CSharpHelperMethodsLibrary.TarihIslemleri 63
CSharpHelperMethodsLibrary.Sabitler.MetinGirilmedi 54	CSharpHelperMethodsLibrary.TarihIslemleri.AyFarki 64
CSharpHelperMethodsLibrary.Sabitler.MetinIbanNoDegil 54	CSharpHelperMethodsLibrary.TarihIslemleri.KidemTazminatTarihAraligiHesapla 64
CSharpHelperMethodsLibrary.Sabitler.MetinSayisalDegil 54	CSharpHelperMethodsLibrary.TarihIslemleri.Math.Abs 65
CSharpHelperMethodsLibrary.Sabitler.MetinTcKimlikNoDegil 54	CSharpHelperMethodsLibrary.TarihIslemleri.TarihAraligiHesapla 65
CSharpHelperMethodsLibrary.Sabitler.MetinTcKimlikNoVeyaVergiNoDegil 54	CSharpHelperMethodsLibrary.TarihIslemleri.YasHesapla 66
CSharpHelperMethodsLibrary.Sabitler.SifrelenecekMetinGirilmedi 54	CSharpHelperMethodsLibrary.TarihIslemleri.YasHesaplaMetinsel 66
CSharpHelperMethodsLibrary.Sabitler.SifreMetniGirilmedi 55	CSharpHelperMethodsLibrary.TarihIslemleri.ZamaniDegistir 67
CSharpHelperMethodsLibrary.SayIslemleri 55	
CSharpHelperMethodsLibrary.SayIslemleri.AltiHaneliOnayKoduOlustur 55	
CSharpHelperMethodsLibrary.SayIslemleri.SayiHalineCevir 56	
CSharpHelperMethodsLibrary.SayIslemleri.SayisalMi 56	
CSharpHelperMethodsLibrary.SayIslemleri.SayiyiYaziyaCevir 56	
CSharpHelperMethodsLibrary.SayIslemleri.text.All 58	
CSharpHelperMethodsLibrary.Sifrelemelslemleri 58	
CSharpHelperMethodsLibrary.Sifrelemelslemleri.HesaplaMD5 58	
CSharpHelperMethodsLibrary.Sifrelemelslemleri.HesaplaSHA 256 59	
CSharpHelperMethodsLibrary.Sifrelemelslemleri.HesaplaSHA 512 59	
CSharpHelperMethodsLibrary.Sifrelemelslemleri.RastgeleSifreUret 60	
CSharpHelperMethodsLibrary.Sifrelemelslemleri.SifreUygunMu 60	
CSharpHelperMethodsLibrary.Siralamalslemleri 61	
CSharpHelperMethodsLibrary.Siralamalslemleri.ChunkType 61	
CSharpHelperMethodsLibrary.Siralamalslemleri.ChunkType enumeration 61	
CSharpHelperMethodsLibrary.Siralamalslemleri.Compare 61	
CSharpHelperMethodsLibrary.Siralamalslemleri.InChunk 63	
	D
	DataTableIslemleri class 37
	about DataTableIslemleri class 37
	BaseType 37
	Nullable.GetUnderlyingType 38
	oType.GetGenericTypeDefinition 38
	ToDataTable 38
	typeof 39
	DataTableIslemleri.cs 69
	Dosyalslemleri class 40
	about Dosyalslemleri class 40
	DosyaKilitliMi 40
	DosyaUzantisiUygunMu 41
	GetirDosyaUzantisiMimeTypeelle 41
	GetirIcerikTipiDosyaUzantisille 42
	GüvenliDizinOlustur 43
	Dosyalslemleri.cs 71
	F
	Files 68
	FrmAnaSayfa class 4
	about FrmAnaSayfa class 4
	btnAyFarki 6
	btnEPostaDogrula 7
	btnEPostaKontrol 7
	btnIbanDogrula 7
	btnIlkHarfiBuyukYap 7

btnIlkHarfleriBuyukYap 7
 btnMd5Hash 7
 btnMetinSifrele 7
 btnMetneDonustur 8
 btnOnayKoduOlustur 8
 btnRastgeleSifreUret 8
 btnSayisalMi 8
 btnSha256Hash 8
 btnSha512Hash 8
 btnSifreUygunMu 9
 btnTarihAraligi 9
 btnTcKimlikDogrula 9
 btnTelefonNoDuzenle 9
 btnTurkceKarakterDuzelt 9
 btnYasHesapla 9
 btnYasHesaplaMetinsel 9
 cmbIslemTuru 10
 cmbIslemTuru_SelectedIndexChanged 15
 components 10
 Dispose 23
 dtpBaslangicTarihi 10
 dtpBitisTarihi 10
 FrmAnaSayfa 6
 FrmAnaSayfa_Load 24
 InitializeComponent 25
 label1 10
 label10 10
 label11 10
 label12 11
 label13 11
 label14 11
 label15 11
 label16 11
 label17 11
 label2 12
 label3 12
 label4 12
 label5 12
 label6 12
 label7 12
 label8 12

label9 13
 lbKisiSonuc 13
 lbMetinSonuc 13
 lbSayiSonuc 13
 lbSifreSonuc 13
 lbSonuc 13
 pnlKisilslemleri 14
 pnlMetinIslemleri 14
 pnlSayiIslemleri 14
 pnlSifreIslemleri 14
 pnlTarihIslemleri 14
 txtKisiMetni 14
 txtMetin 14
 txtSayi 15
 txtSifrelenecekMetin 15
 FrmAnaSayfa.cs 74
 FrmAnaSayfa.Designer.cs 83

K

Kisilslemleri class 43
 about Kisilslemleri class 43
 DogrulaEPosta 43
 DogrulaIBAN 44
 DogrulaTcKimlikNo 45
 Kisilslemleri.cs 96

M

MetinIslemleri class 45
 about MetinIslemleri class 45
 BoslukKaldir 46
 GereksizKarakterTemizle 46
 HTMLDuzelt 47
 IdealMetinGetir 48
 MailAdresiGecerliMi 48
 MetinIlkKarakterBuyukDigerleriKucukYap 49
 MetinIlkKarakterleriBuyukYap 49
 MetinSifrele 49
 MetinZararliKarakterDuzelt 50
 TelefonNoDuzenle 50
 text.First 50

text.Substring 51
 ToString 51
 ToUpper 51
 TurkceKarakterleriDuzelt 51
 UTF8Duzelt 52
 MetinIslemleri.cs 97

N

Numeric enumeration member 61

P

Program class 35
 about Program class 35
 Main 36
 Program.cs 101

R

Resources class 1
 about Resources class 1
 Culture 3
 resourceCulture 2
 resourceMan 3
 ResourceManager 3
 Resources 2
 Resources.Designer.cs 102

S

Sabitler class 52
 about Sabitler class 52
 BaslangicTarihiBuyuk 53
 BaslangicTarihiGirilmedi 53
 BaslangicVeyaBitisTarihiGirilmedi 53
 EPostaAdresiGecerli 53
 EPostaAdresiGecerliDegil 53
 MetinGirilmedi 54
 MetinIbanNoDegil 54
 MetinSayisalDegil 54
 MetinTcKimlikNoDegil 54
 MetinTcKimlikNoVeyaVergiNoDegil 54
 SifrelenecekMetinGirilmedi 54

SifreMetniGirilmedi 55
 Sabitler.cs 103
 SayiIslemleri class 55
 about SayiIslemleri class 55
 AltiHaneliOnayKoduOlustur 55
 SayiHalineCevir 56
 SayisalMi 56
 SayiyiYaziyaCevir 56
 text.All 58
 SayiIslemleri.cs 104
 Settings class 3
 about Settings class 3
 Default 4
 defaultInstance 4
 Settings.Designer.cs 106
 SifrelemeliIslemleri class 58
 about SifrelemeliIslemleri class 58
 HesaplaMD5 58
 HesaplaSHA256 59
 HesaplaSHA512 59
 RastgeleSifreUret 60
 SifreUygunMu 60
 SifrelemeliIslemleri.cs 107
 SiralamaliIslemleri class 61
 about SiralamaliIslemleri class 61
 Compare 61
 InChunk 63
 SiralamaliIslemleri.cs 109

T

TarihIslemleri class 63
 about TarihIslemleri class 63
 AyFarki 64
 KidemTazminatiTarihAraligiHesapla 64
 Math.Abs 65
 TarihAraligiHesapla 65
 YasHesapla 66
 YasHesaplaMetinsel 66
 ZamaniDegistir 67
 TarihIslemleri.cs 110