

Visual Inheritance

Yrd. Doç. Dr. Özgü Can

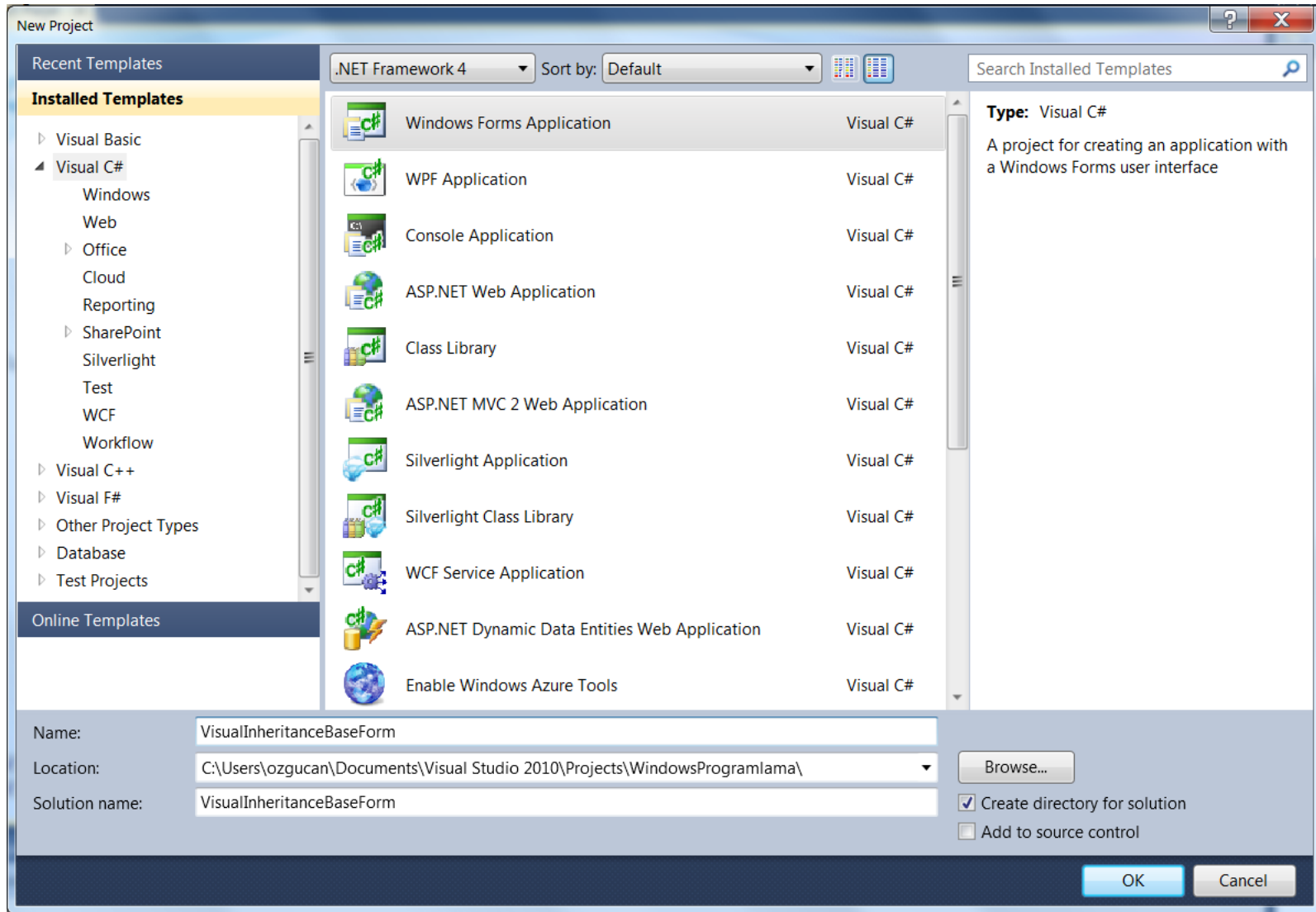
Visual Inheritance

- Oluşturulacak yeni **Form** sınıflarının **System.Windows.Forms.Form** sınıfını kalıt almasıdır.
 - Metotlar,
 - Değişkenler,
 - Kontroller,
 - Layout,
 - Renk ve Font,
 - GUI bileşenlerinin boşlukları, vs..

Visual Inheritance

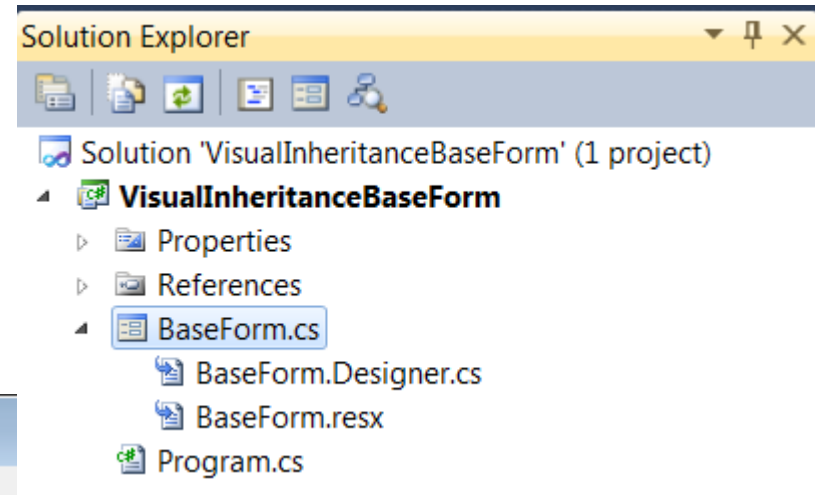
- Uygulamalar arasında **görsel tutarlılığı** sağlar.
- **Taban (Base) Form** kullanılarak **yeni Form'lar** oluşturulur.

Uygulama – Visual Inheritance



Uygulama – Visual Inheritance

- Label
- Button



Uygulama – Visual Inheritance










- Kalıtımı sağlamak için;
 - **VisualInheritanceForm**'un sınıf kütüphanesi olarak paketlenmesi
 - ve
 - **.dll (dynamically linked library)** dosyası olarak derlenmesi
- gerekmektedir.

Solution Explorer



Solution 'VisualInheritanceBaseForm' (1 project)

VisualInheritanceBaseForm

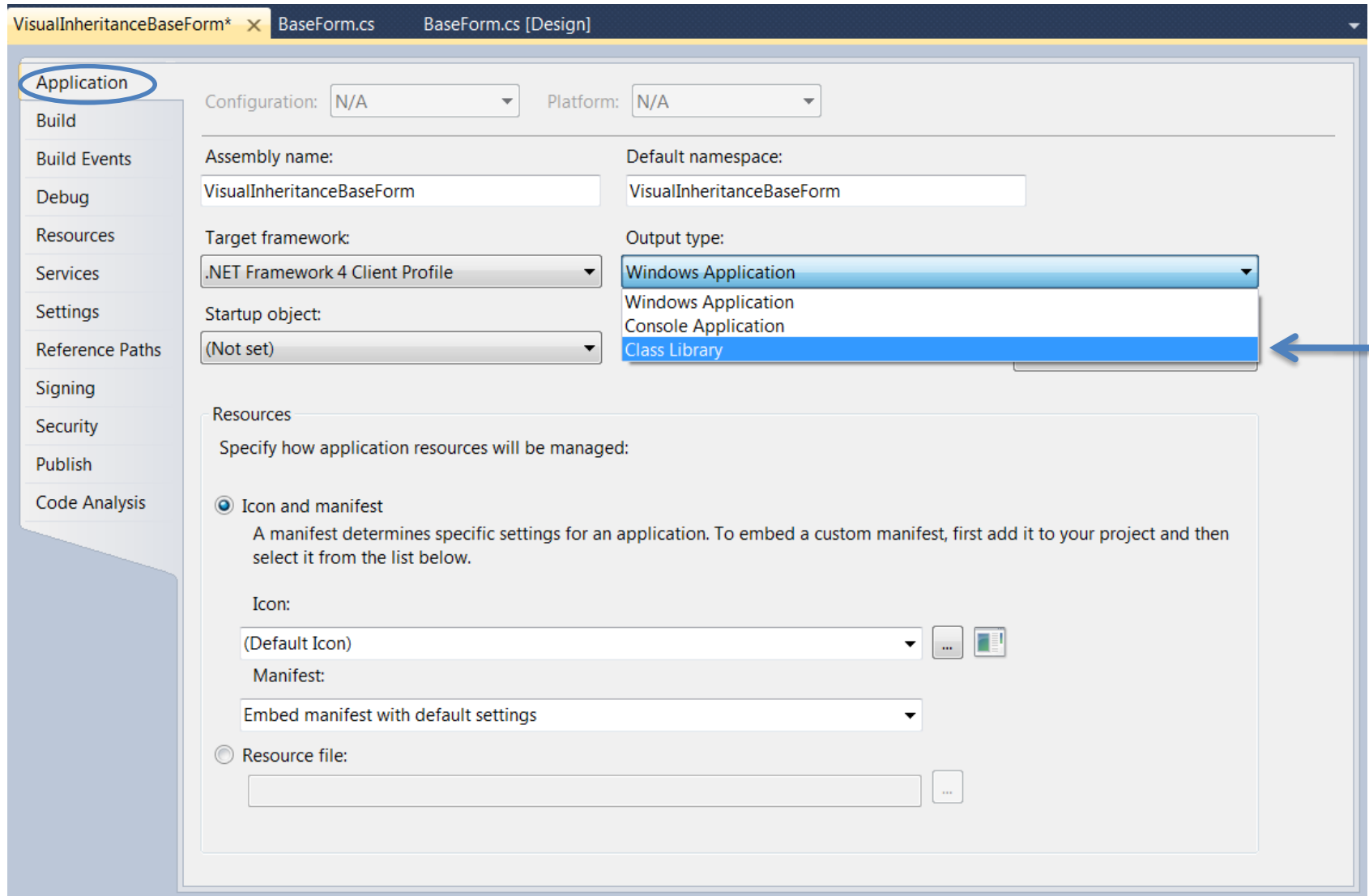
-  Build
- Rebuild
- Clean
-  Publish...
- Run Code Analysis
- Calculate Code Metrics
- Add ▶
- Add Reference...
- Add Service Reference...
-  View Class Diagram
- Set as StartUp Project
- Debug ▶
-  Add Solution to Source Control...
-  Cut Ctrl+X
-  Paste Ctrl+V
-  Remove Del
- Rename
- Unload Project
-  Open Folder in Windows Explorer
-  Properties Alt+Enter

gner.cs

m Project Properties

VisualInheritanceBaseForm
C:\Users\ozgucan\Docume

Uygulama – Visual Inheritance



VisualInheritanceBaseForm* X BaseForm.cs BaseForm.cs [Design]

Application

Configuration: N/A Platform: N/A

Assembly name: VisualInheritanceBaseForm Default namespace: VisualInheritanceBaseForm

Target framework: .NET Framework 4 Client Profile Output type: Windows Application

Startup object: (Not set) Windows Application
Console Application
Class Library

Resources

Specify how application resources will be managed:

☒ Icon and manifest

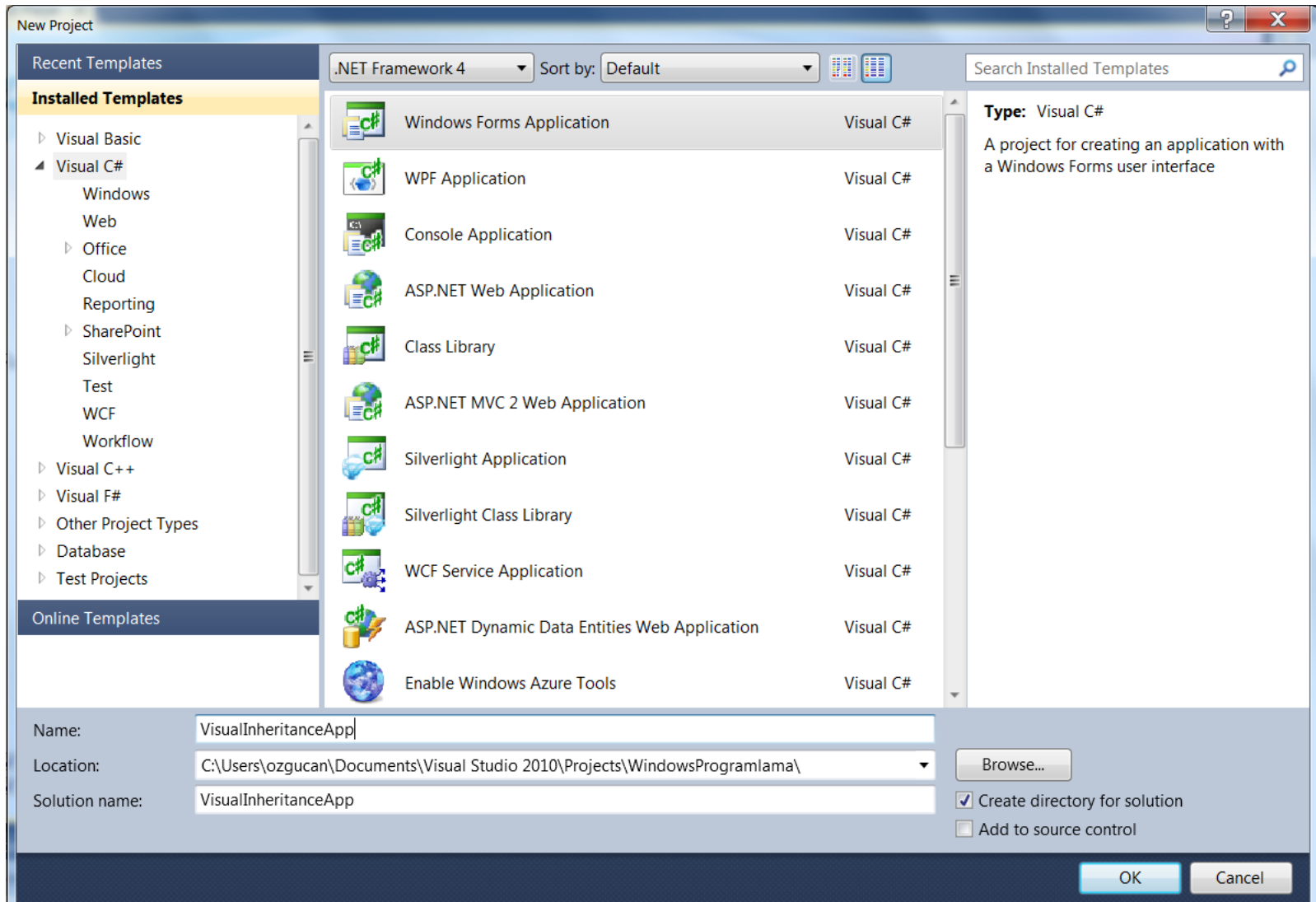
A manifest determines specific settings for an application. To embed a custom manifest, first add it to your project and then select it from the list below.

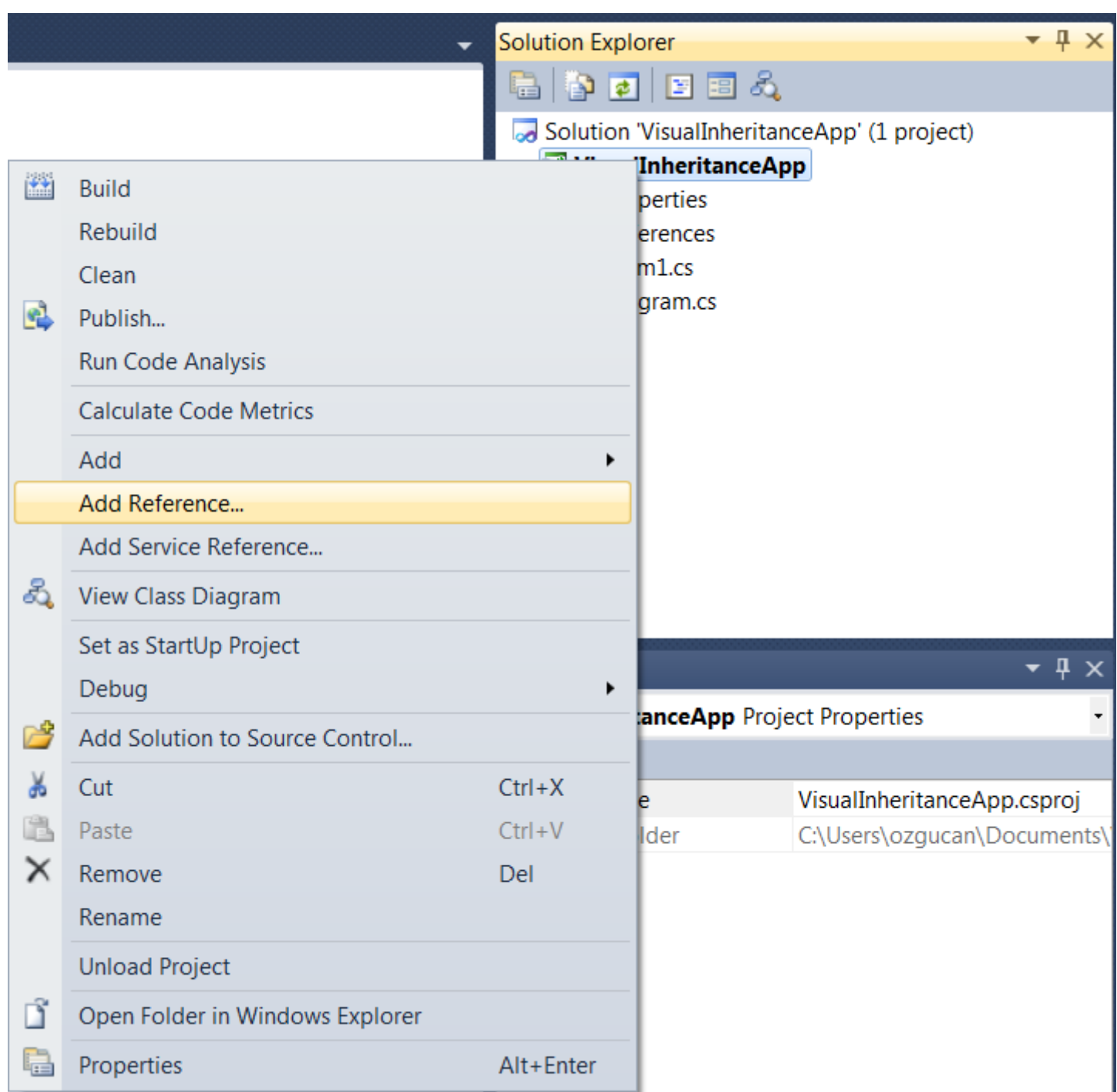
Icon: (Default Icon)

Manifest: Embed manifest with default settings

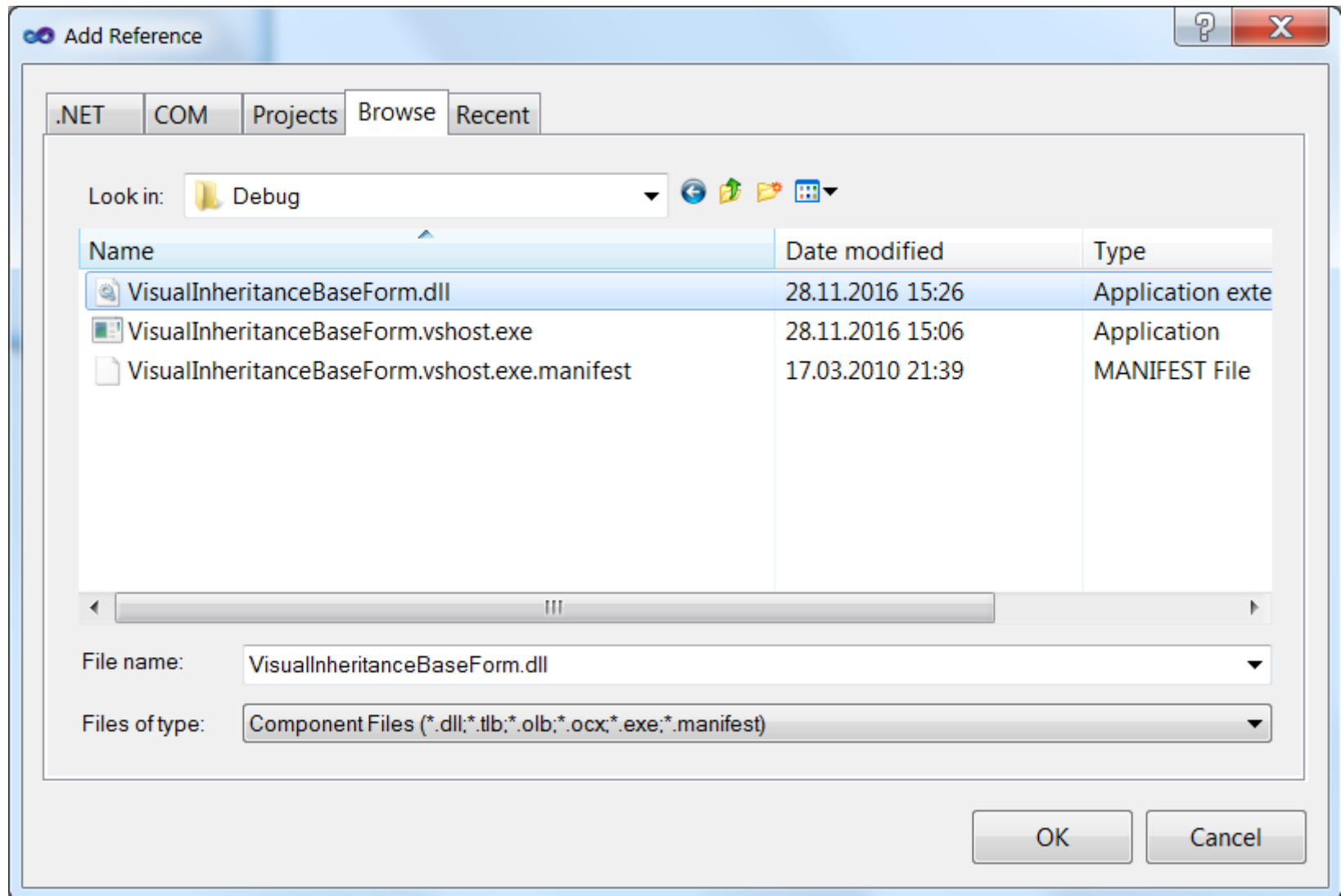
☐ Resource file:

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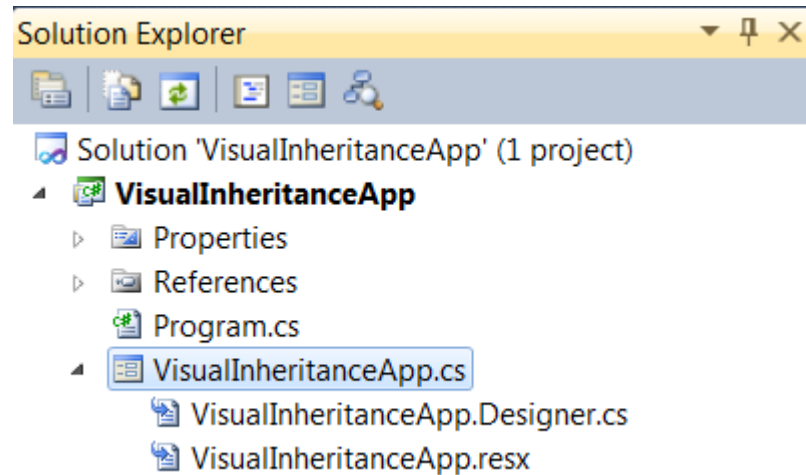


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Uygulama – Visual Inheritance

- **Form.cs → VisualInheritanceApp.cs**

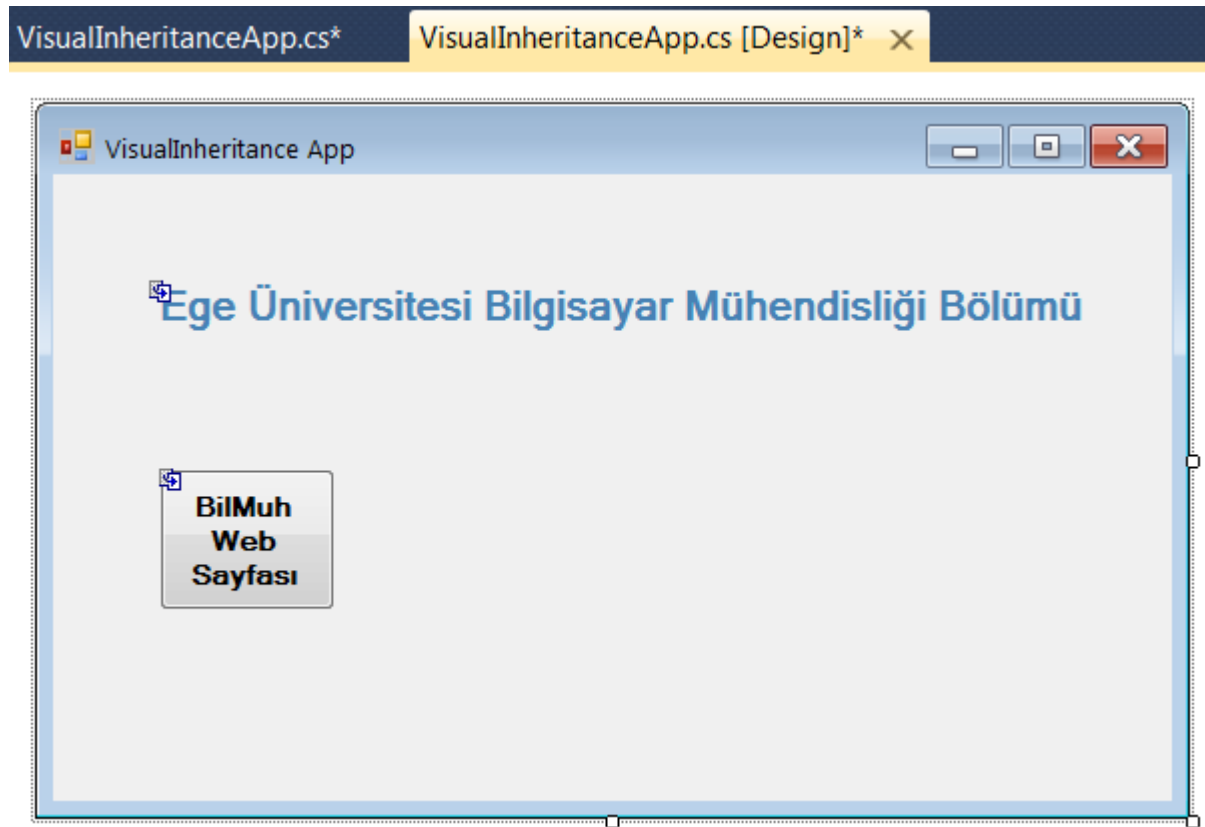


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```
public partial class VisualInheritanceApp : Form
{
    public VisualInheritanceApp()
    {
        InitializeComponent();
    }
}

public partial class VisualInheritanceApp : VisualInheritanceBaseForm.BaseForm
{
    public VisualInheritanceApp()
    {
        InitializeComponent();
    }
}
```

Uygulama – Visual Inheritance



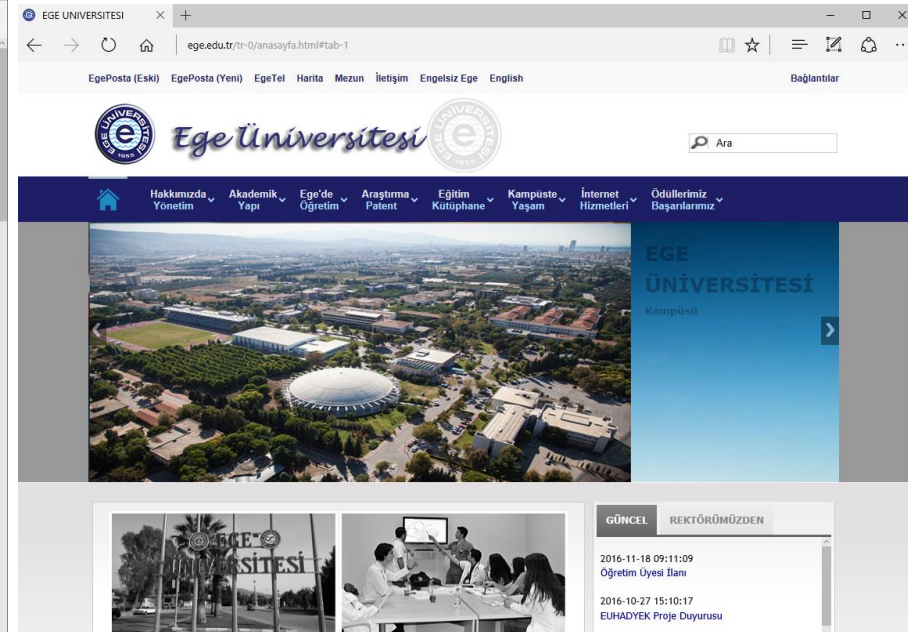
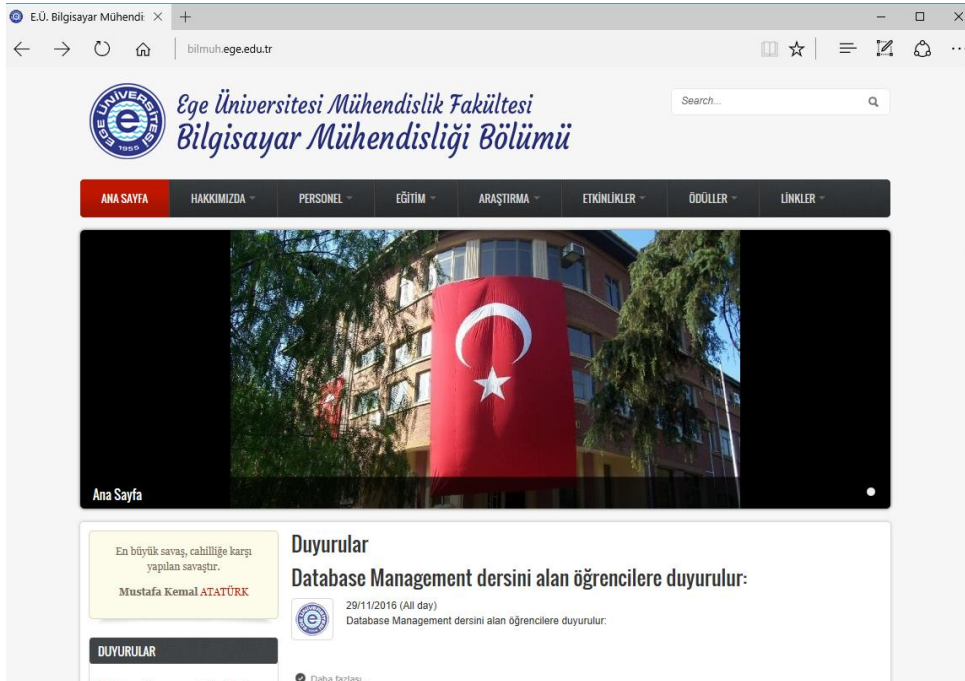
Uygulama – Visual Inheritance

- Button
 - Text = Ege Üniversitesi Web Sayfası
 - Name = egeButton



Uygulama – Visual Inheritance

```
private void egeButton_Click(object sender, EventArgs e)
{
    System.Diagnostics.Process.Start("http://www.ege.edu.tr");
}
```

Visual Inheritance

- **Base Form'da** oluşturulan kontrollere kullanıcının yeni oluşturduğu **Form'da** değişiklik yapabilmesi için:

– **Modifiers = Protected**

