Working with Forms

Programming in C#

The most basic Windows Applications that can be created in .NET is the blank form. A sample of it is shown in Figure 1.
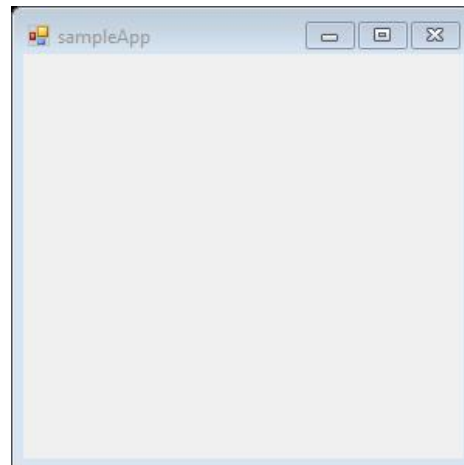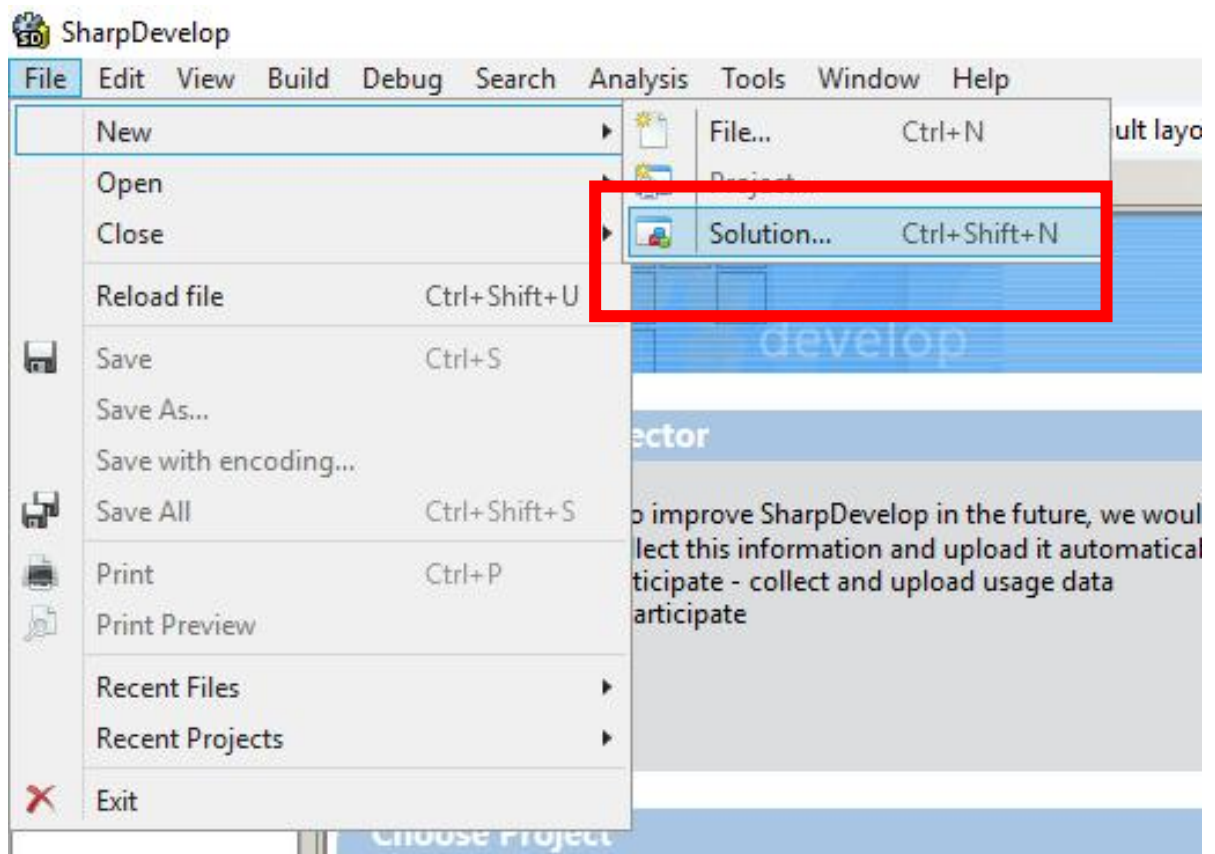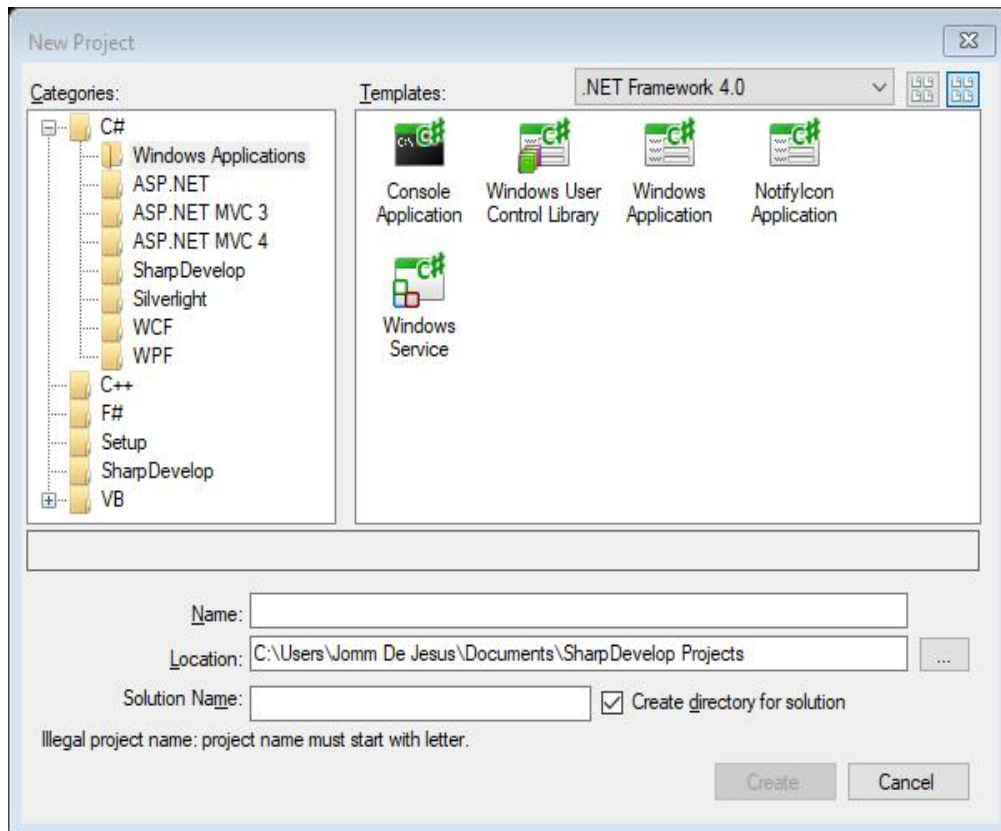

Figure 1. Blank Form in C#

Creating a Windows Application

To create a new Windows Application, from the **File** menu, select **New** and then select **Solution...**.

This opens the **New Project** dialog box.

From this dialog you can choose from many different project templates that are grouped into different categories. Expand the **C#** category, select the **Windows Applications** category, and then select **Windows Application** from the list of available templates. Type in a name for the project and choose where you would like the project to be created. Click the **Create** button to generate the project. The project will then be opened by SharpDevelop ready for you to start developing.

Source

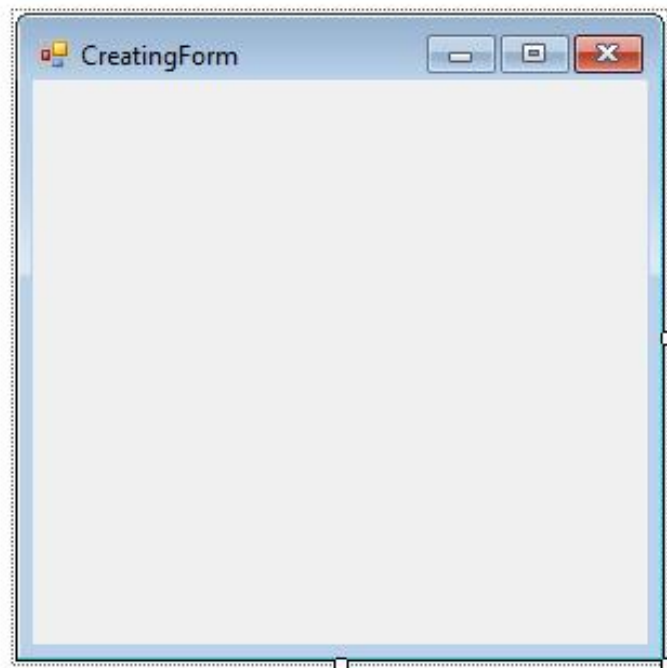In this part, you will see the source code of your windows application.


```csharp
using System;
using System.Collections.Generic;
using System.Drawing;
using System.Windows.Forms;

namespace CreatingForm
{
    /// <summary>
    /// Description of MainForm.
    /// </summary>
    public partial class MainForm : Form
    {
        public MainForm()
        {
            //
            // The InitializeComponent() call is required for Windows Forms designer support.
            //
            InitializeComponent();

            //
            // TODO: Add constructor code after the InitializeComponent() call.
            //
        }
    }
}
```
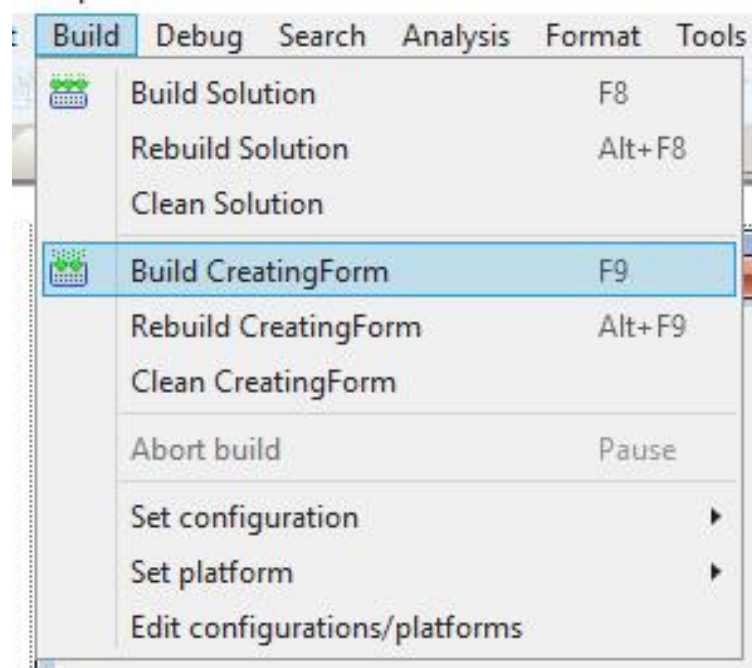
Design

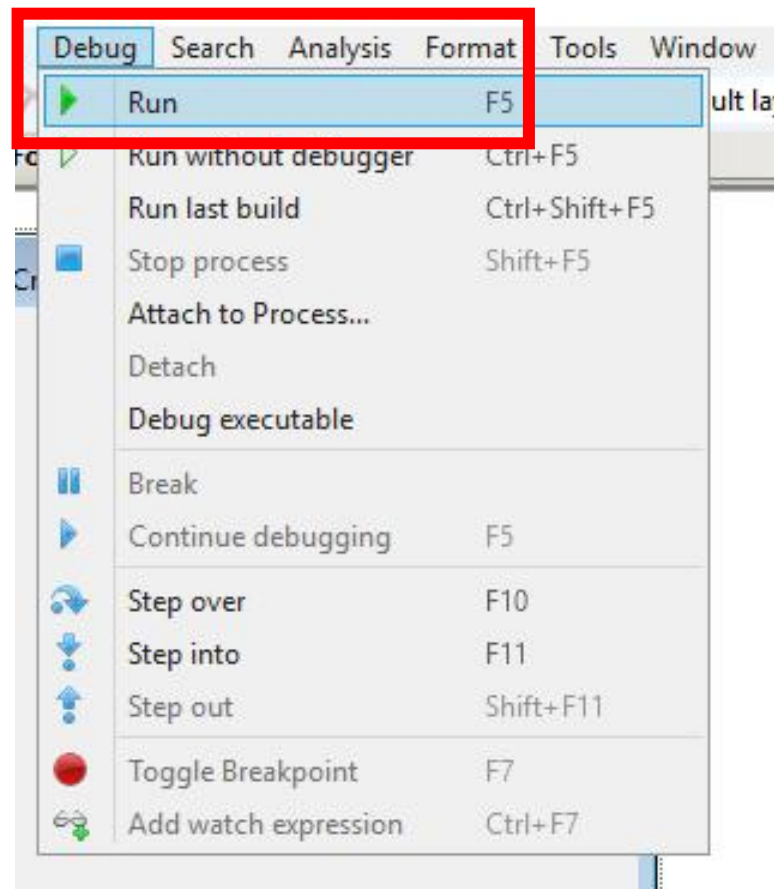An overview of your Windows Application.

Building the Application

From the **Build** menu select either **Build Solution** or **Build <Your Project Name>**. (in our example, Build CreatingForm)
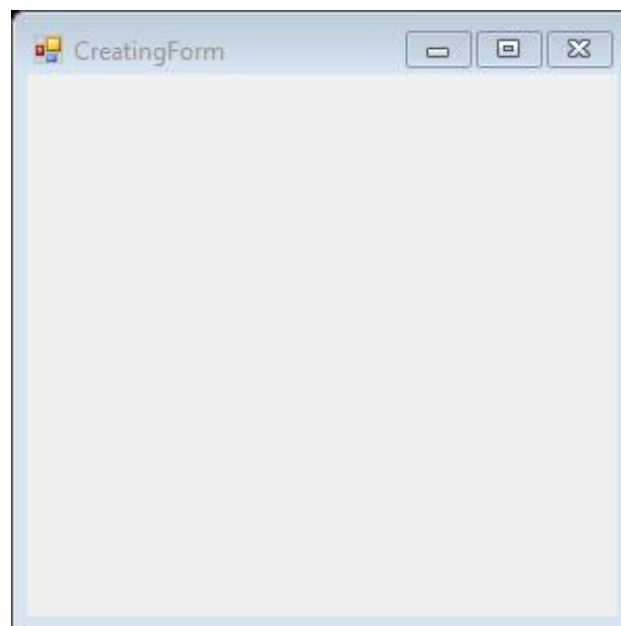
Running the Application

From the **Debug** menu select **Run** or **Run without debugger**.

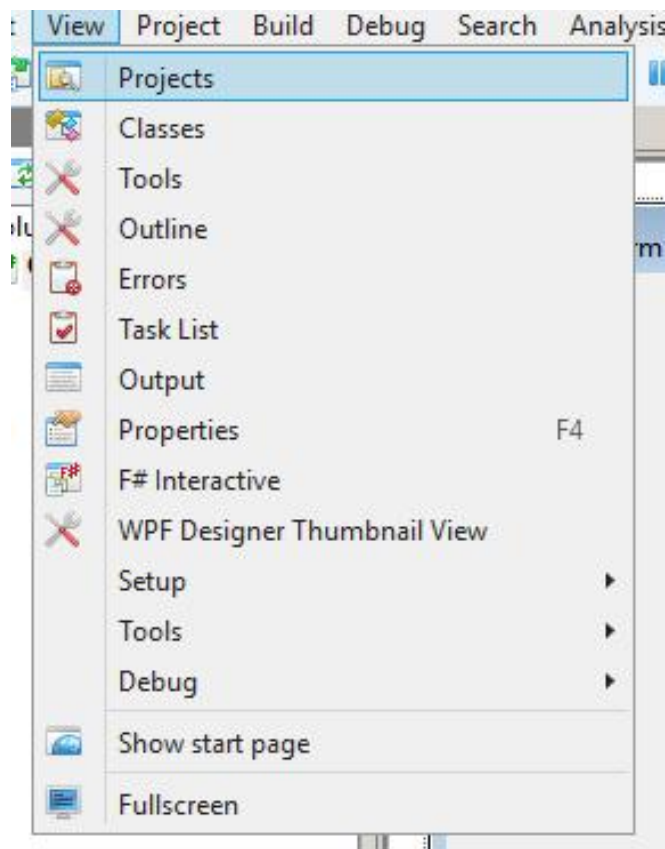Your application will then be started and its main form will be displayed.
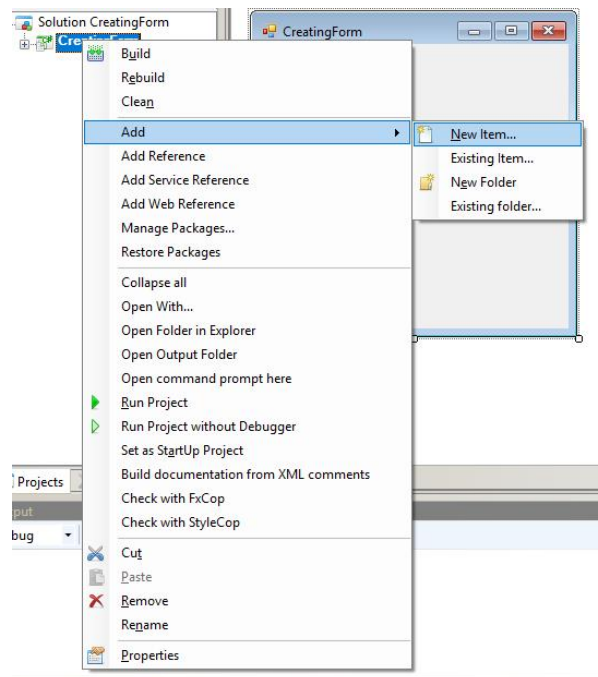
Adding a New Form

SharpDevelop provides many different types of file templates which you can add to your project:

- Configuration classes
- Class
- Form
- Interface
- Module
- MSBuild File
- Setup Dialog (WiX)
- Setup Document (WiX)
- Singleton Class
- Struct
- Unit Test
- User Control
- Web Control
- Web Form
- Web Service
- WPF Flow Document
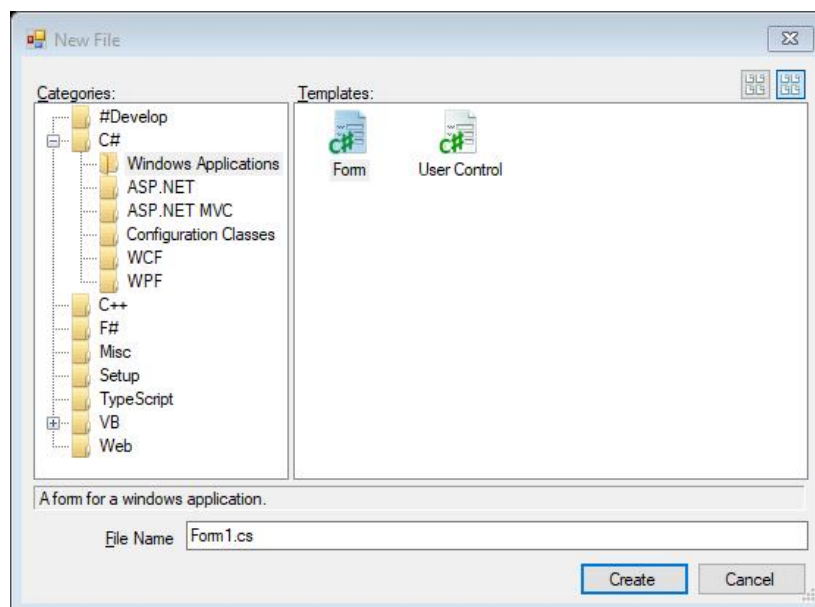- WPF Page
- WPF User Control
- WPF Window
- XML File

To add a new form to your Windows Application, open the **Project Explorer**, if it is not already open, by selecting **Projects** from the **View** menu.

In the **Projects Explorer** select the name of your project, right click, select **Add** and then **New Item...**.

This opens the **New File** dialog box.

Expand the **C#** category, select the **Windows Applications** category, and then select **Form** from the list of available templates. Type in the desired name of the file and then click the **Create** button to add the new form to your project.