# Create a Tic-Tac-Start plugin

Welcome in this tutorial! I will teach you how to create a Tic-Tac-Start plugin that will match an action. The language to create this plugin will be C#!

## A plugin contains 2 elements :

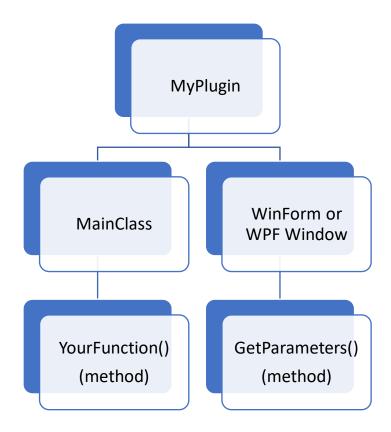
- A main class in which you will develop the goal of the plugin (ex : Play a sound)
- A <u>WinForm or a WPF Window</u> which will enable the user to give values to the arguments (parameters) of the main function.

#### The main class will contain:

- The main function of the plugin (action) which will be called by Tic-Tac-Start. This function will be *public* and static. You can use parameters (arguments).

#### The WindowsForm or the WPF Window will contains:

- A function public which will return an array of object and will obligatory be named "GetParameters". It will have no argument! This function will return the values entered by the user. This values will be used to call the main function, these will be the values of the parameters.
- A button whose the "DialogResult" propriety is set on "OK" (In WPF Window, this button will set the "DialogResult" property of the window to "true")

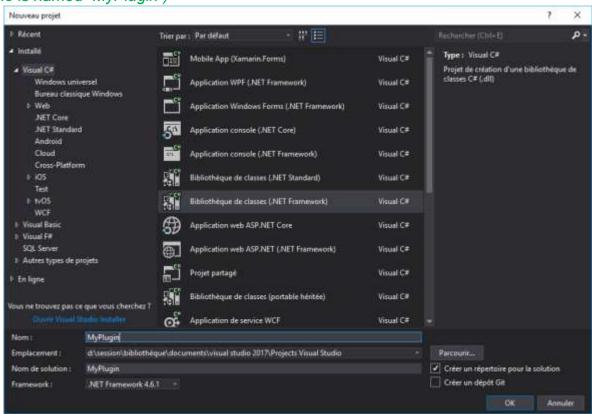


## **Concrete example:**

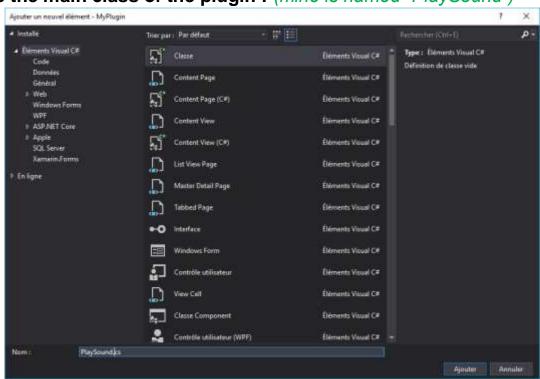
To understand well, we will create a plugin together. This plugin will play a sound file in .wav format.

## 1) In Visual Studio, create a class library!

(mine is named "MyPlugin")



2) Create the main class of the plugin! (mine is named "PlaySound")



3) Create the main function *public* and *static*! (mine is named "Play")

For me it has 2 parameters: One String for the sound file location and one boolean too know if we play the sound over and over or not.

## 4) Create a WinForm or a WPF Window!

(mine is named "PlaySound\_ParamsDialog". It's a WinForm)

PlaySound [MyPlugin]		×
Sound location :		
□ Loop		
	OK	

## 5) **DialogResult**

a. If you use a WindowsForm:

Set the "DialogResult" property of button to "OK"!

DialogResult

b. If you use a WPF Window:

Create the "click" event for the button and copy this code!

```
//Enable this action
1 référence
private void BT_OK_Click(object sender, RoutedEventArgs e)
{
    this.DialogResult = true;
}
```

OK.

6) Create the "GetParameters" function in this window!

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

   //Get result (parameters to play a sound)
   public object[] GetParameters()
   {
        return new object[] { this.TB_SoundLocation.Text, this.CB_Loop.Checked };
   }

   //Choose a sound file
   private void BT_ChooseSound_Click(object sender, EventArgs e)
   {
        if (this.OFD.ShowDialog() == DialogResult.OK)
        if this.TB_SoundLocation.Text = this.OFD.FileName;
        }
   }
}
```

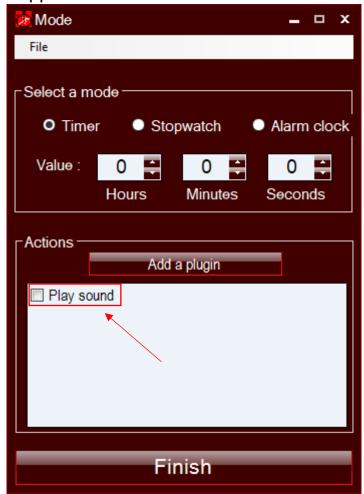
The values of the array correspond to the parameters (in order) of the main function (String, bool).

Generate a DLL!Go to generate → generate the solution

8) End of the development! Return to Tic-Tac-Start!
Go to Mode → add a plugin

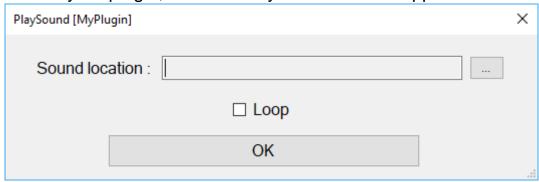


9) After having filled all the fields, press on "Add this plugin"! Your plugin should appear in the actions list.



## 10) You can use your plugin (action) like others plugins!

If you activate your plugin, the window you created will appear.



If your plugin use other dll, copy this dll in the folder where is the .exe of Tic-Tac-Start.

You can now create your own Tic-Tac-Start plugin. If you come across any problem, contact me!

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