C# for Visual Basic .NET Developers

Introduction

Craig Shoemaker craigshoemaker.net @craigshoemaker

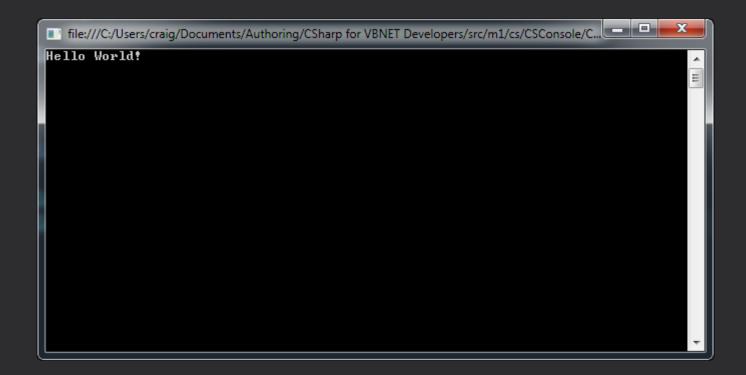


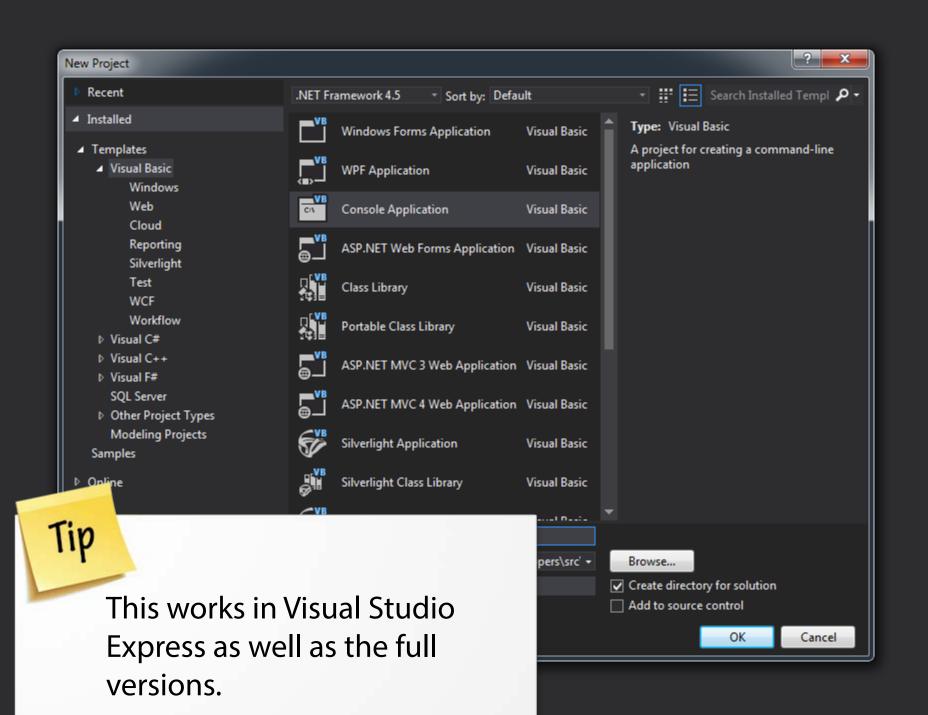


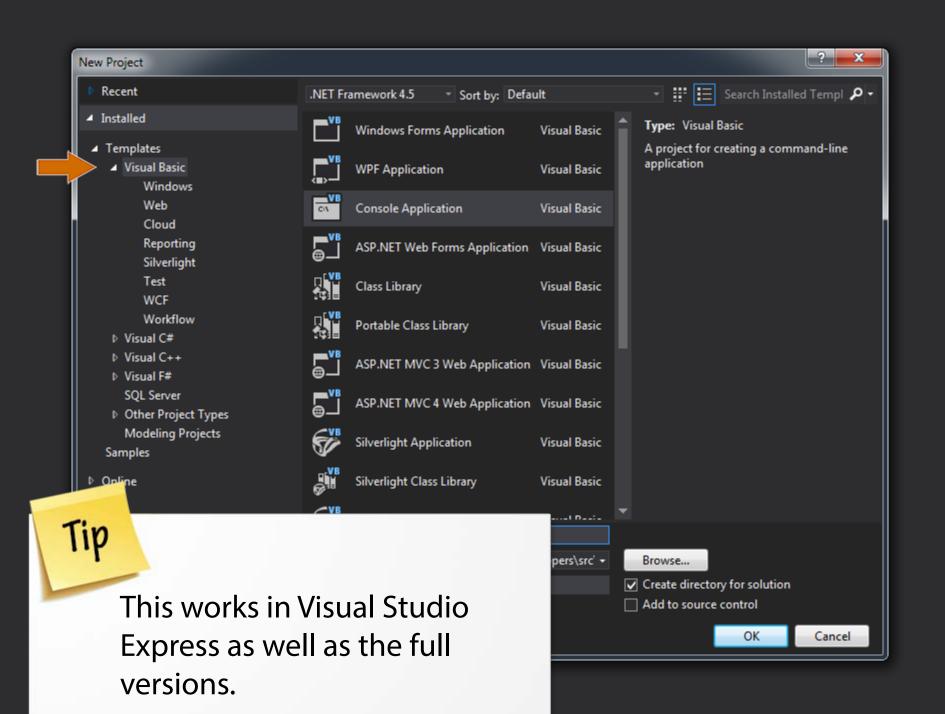
Who Are You?

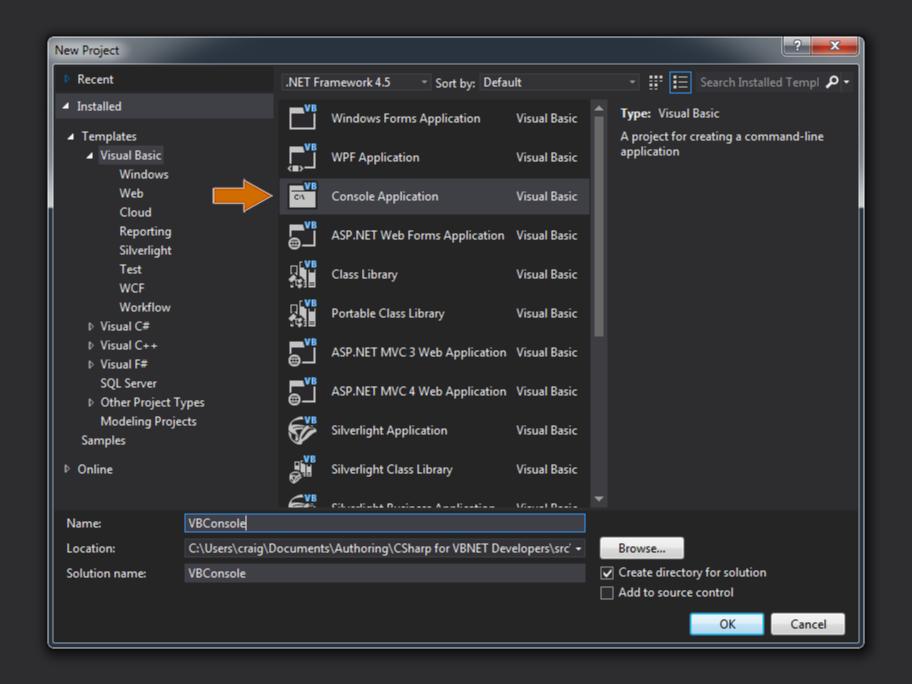
Who Are You?

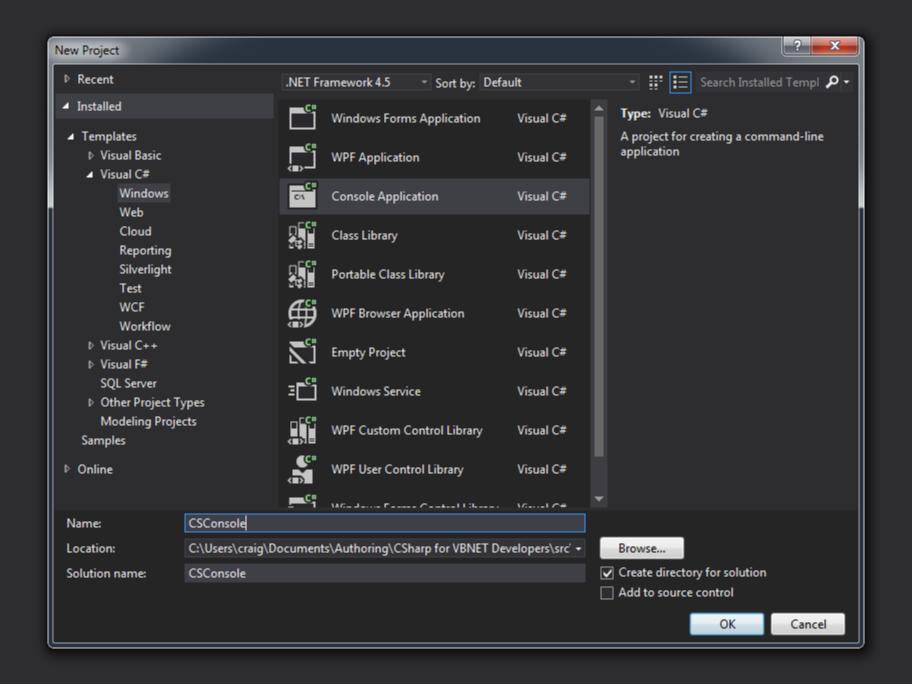


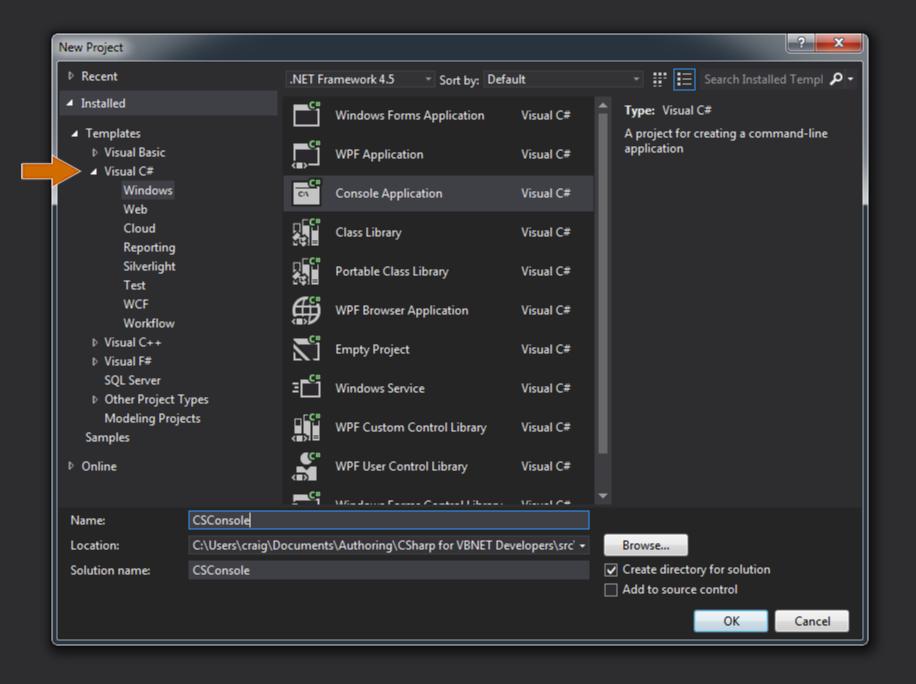












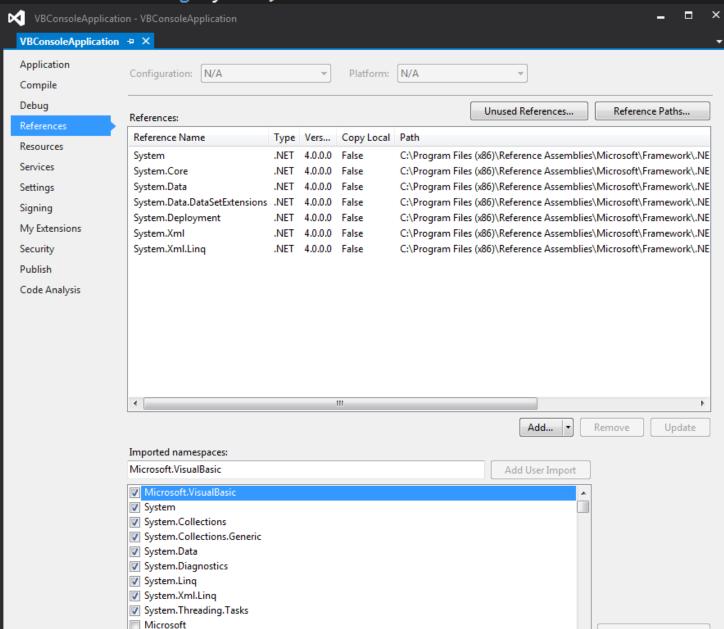
```
Module Module1

Sub Main()
Console.WriteLine("Hello World!")
Console.ReadLine()
End Sub

End Module
```



using System;



```
using System;
 using System.Collections.Generic;
 using System.Linq;
 using System.Text;
 using System.Threading.Tasks;
     Module Module1
         Sub Main()
             Console.WriteLine("Hello World!")
             Console.ReadLine()
         End Sub
     End Module
```

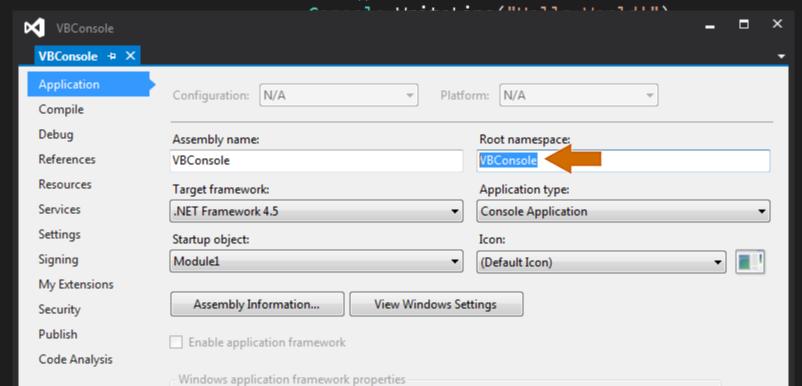
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
```



namespace CSConsoleApplication

Module Module1

Sub Main()



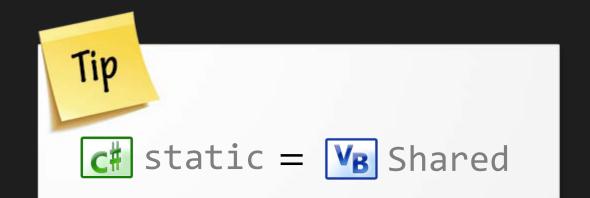
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace CSConsoleApplication

class Program

static

Console.WriteLine("Hello World!")
Console.ReadLine()
```









Type precedes the variable name.

Private _name As String



private string _name;



```
private string _name = "Craig";
```



```
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace CSConsoleApplication

class Program

static void Main(string[] args)

Console.WriteLine("Hello World!")
Console.ReadLine()
```



```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
namespace CSConsoleApplication
    class Program
        static void Main(string[] args)
            Console.WriteLine("Hello World!")
            Console.ReadLine()
```

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
namespace CSConsoleApplication
    class Program
       static void Main(string[] args)
           Console.WriteLine("Hello World!");
           Console.ReadLine();
```







Why is the semicolon necessary?

```
if (_name == "Craig")
{
    // statements in here
    // will likely require
    // semicolons
}
```



When is the semicolon necessary?



```
namespace CSConsole
    class Program
         static void Main(string[] args)
              Console.WriteLine("Hello World!");
              Console.ReadLine()
                                    ; expected
                 Error List
                                                                ▼ 🗖 X
                      1 Error 1 0 Warnings 0 Messages Search Error List
                                                                  - م
                     Descrip... File
                                         Line
                                                 Column
                                                        Project
                 14
                                                31
                                                        CSConsole
```



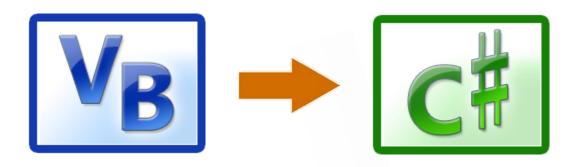
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
namespace CSConsoleApplication
    class Program
        static void Main(string[] args)
            Console.WriteLine("Hello World!");
            Console.ReadLine();
```



```
- - X
 VBConsole.Module1::Main: void()
Find Find Next
method public static void Main() cil managed.
 .entrupoint
 .custom instance void [mscorlib]System.STAThreadAttribute::.ctor() = ( 01 00 00 00 )
 // Code size
                     20 (0x14)
  .maxstack 8
 IL 0000: nop
                       "Hello World!"
 IL 0001: ldstr
                      void [mscorlib]System.Console::WriteLine(string)
 IL 0006: call
 IL 000b: nop
 IL 000c: call
                      string [mscorlib]System.Console::ReadLine()
 IL 0011: pop
 IL 0012: nop
 IL 0013: ret
} // end of method Module1::Main
```

```
CSConsole.Program::Main : void(string[])
Find Find Next
.method private hidebysig static void Main(string[] args) cil managed
  .entrypoint
 // Code size
                     19 (0x13)
  .maxstack 8
  IL 0000: nop
 IL 0001: ldstr
                       "Hello World!"
                       void [mscorlib]System.Console::WriteLine(string)
 IL 0006: call
  IL 000b:
           nop
 IL 000c: call
                       string [mscorlib]System.Console::ReadLine()
  IL 0011: pop
  IL 0012: ret
} // end of method Program::Main
```

Summary



NEXT

Basic C# Syntax