



C# Corner

NEW: What is New in Visual Studio 2022

[Join a member](#)[Login](#)[Post](#)[Ask Question](#)

# Use JavaScript Function in Window Application C#



Priti Kumari

Updated date Apr 22, 2020

112.4k

1

2

[Download Free .NET & JAVA Files API](#)[Try Free File Format APIs for Word/Excel/PDF](#)[DemoUseJavaScriptFun.rar](#)

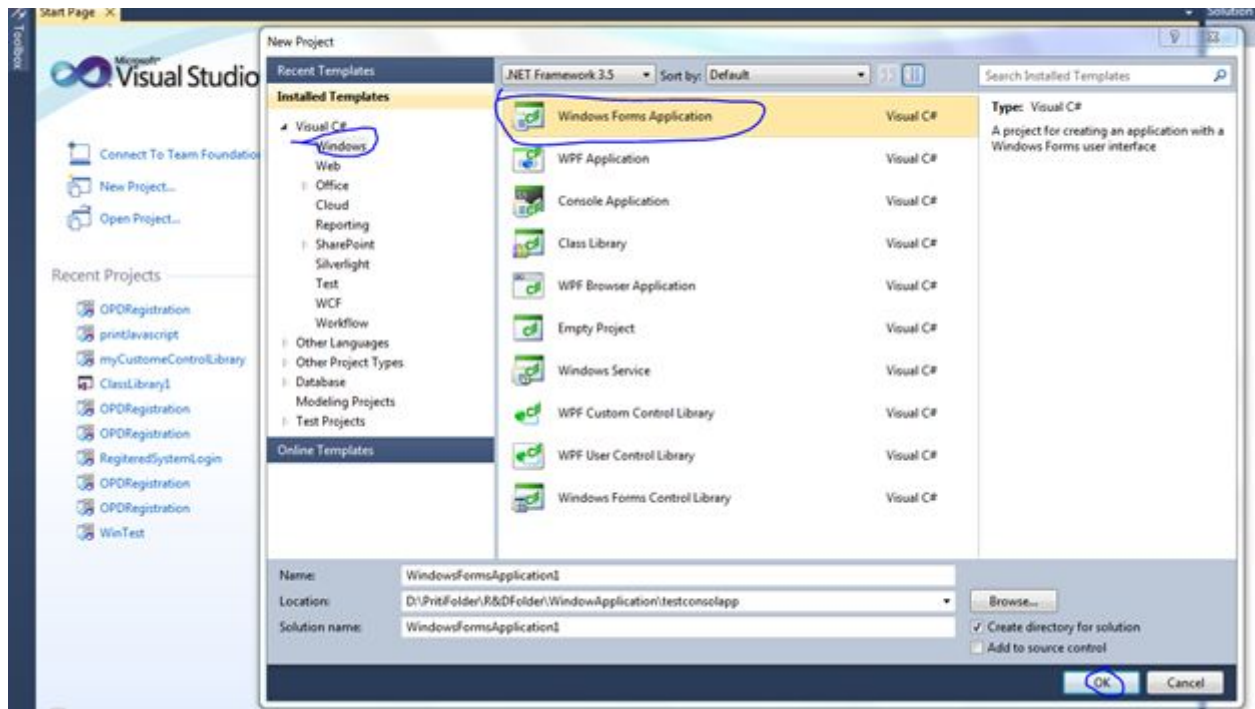
## Introduction

This article explains how to use a JavaScript function in a C# Windows application. I have explained the following points:

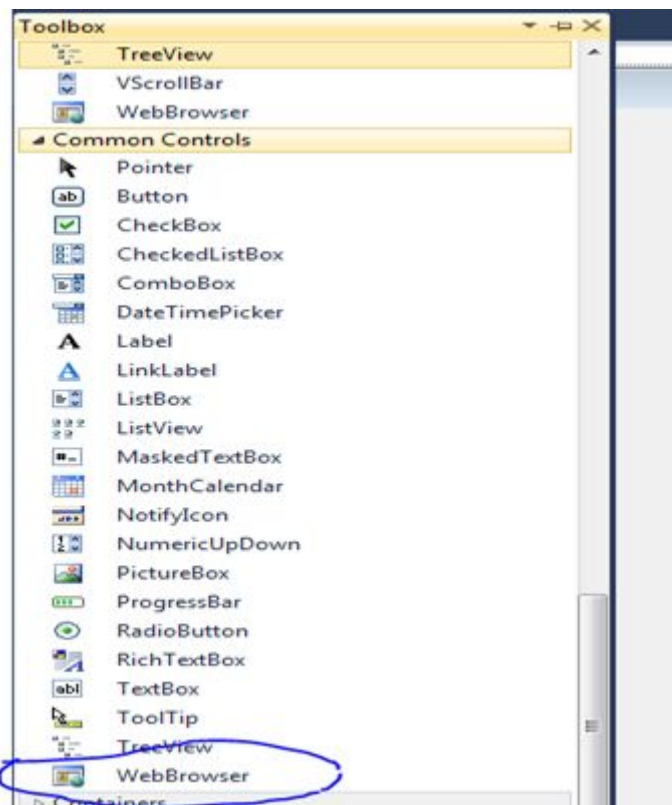
- How to use a JavaScript function in a Windows application
- How to call C# code method from JavaScript in a Windows application

I have explained these points using an example. In my example, I use a web browser control of a Windows application.

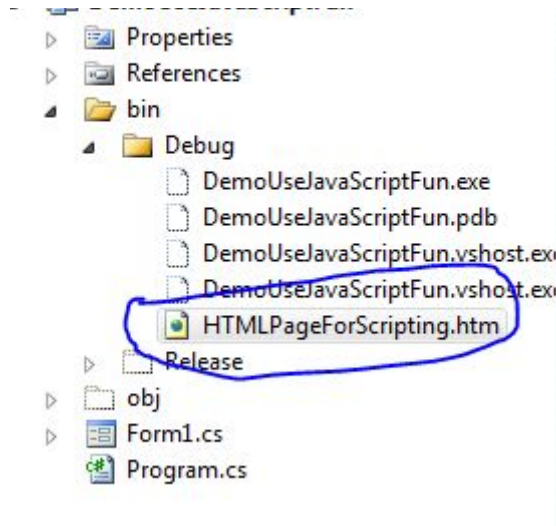
**Step 1-** Initially create a new Windows-based project. Execute Visual Studio 2010 then go to "File" -> "New" -> "Project..." then select "Windows" -> "Windows Forms Application".



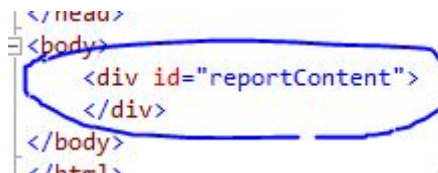
**Step 2-** Then drag and drop a web browser control to a Windows Forms form and also drag and drop a Print Dialog Control onto the form.



**Step 3-** Go to "Application" => "Add New Item" => "Add HTML page" to the debug folder of the Windows based application.



**Step 4-** Write this code in HTML Page.



**Step 5-** Then go to the code for the Windows Forms form and add the following attribute above the class of the Windows Forms form. For this you need to add the following namespace in your code.

using System.Runtime.InteropServices;

```
//This Attribute is mandatory when use script in C# code.
[ComVisible(true)]
public partial class Form1 : Form
{
```

**Step 6-** Then write the following code in the Constructor of this form.

```
public Form1()
{
    InitializeComponent();
    this.Load += new EventHandler(Form1_Load);
    this.webBrowser1.DocumentCompleted += new WebBrowserDocumentCompletedEventHandler(webBrowser1_DocumentCompleted);

    //if you want to call the c# code (method) in java script function then write this code.
    webBrowser1.ObjectForScripting = this;
    webBrowser1.ScriptErrorsSuppressed = false;

    //if you want to disable right click on web browser control then write this code.
    webBrowser1.IsWebBrowserContextMenuEnabled = false;
    webBrowser1.AllowWebBrowserDrop = false;
}
```

**Step 7-** Then write this code in the Form Load method.

```

CurrentDirectory = Directory.GetCurrentDirectory();
//Here i have to call html page using navigate method.Its mandatory to call navigate method when you have to fire web
//browser Document Completed event.
webBrowser1.Navigate(Path.Combine(CurrentDirectory, "HTMLPageForScripting.htm"));
}

```

**Step 8-** Then write some code in web browser document completed method.

1. Initially add this code: this code contains simple HTML based report.

```

private void Report()
{
    //Here i have to get HTML page div from id of Div.
    HtmlElement div = webBrowser1.Document.GetElementById("reportContent");

    //here create a simple html content.
    StringBuilder sb = new StringBuilder();
    sb.Append("<table>");
    sb.Append("<tr><td><B>Hi this is my report demo</B></td></tr>");
    sb.Append("</table>");
    //here i have to assign content to the Html page div which is display on Browser control.
    div.InnerHtml = sb.ToString();
}

```

2. Then write the following code for the web browser DocumentCompleted event.

```

void webBrowser1_DocumentCompleted(object sender, WebBrowserDocumentCompletedEventArgs e)
{
    //when the form is load cursor focus on the Web browser control.
    webBrowser1.Focus();
    //here i have to call report method which contain the report content.
    Report();
}

```

**Step 9-** After writing all that code you need to write the following method. This method is called by the JavaScript function.

The Method Access Specifier should be public.

```

//if you call any c# code method in JavaScript those method access specifier should be Public.
public void PrintReport()
{
    //here i am simply show print dialog and call print method of webbrowser control.
    DialogResult dr = printDialog1.ShowDialog();
    if (dr.ToString() == "OK")
    {
        webBrowser1.Print();
    }
    else return;
}

```

**Step 10-** Then got to the HTML page and write the following function. In this function call the C# code method using window.external.PrintReport().

```

function disableCtrlKeyCombination(e) {

    //list all CTRL + key combinations you want to disable
    var key;
    var isCtrl;
    if (window.event) {
        key = window.event.keyCode;    //IE
        if (window.event.ctrlKey)
            isCtrl = true;
        else isCtrl = false;
    }

    if (isCtrl) {
        if ("p" == String.fromCharCode(key).toLowerCase()) {
            //Here I have to call C# code Method.
            window.external.PrintReport();
            return false;
        }
    }
    return true;
}

//Call disableCtrlKeyCombination this method onKeyDown,keyPress
document.onkeydown = disableCtrlKeyCombination;
|
document.keypress = disableCtrlKeyCombination;

</script>
read>

```

Call C# Method in Java script

javaScript

javaScript Function

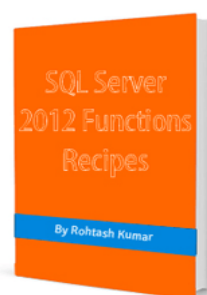
use Java script function

window application

Next Recommended Reading

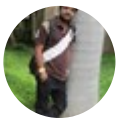
[Use JavaScript Function in C# Windows Application](#)

## OUR BOOKS



**Priti Kumari** *TOP 500*

Software Developer

<https://dataoftech.com/>**366****4.6m****1****2****1**

Well Explained :)

**Haribansh Kumar Agrawal****1810 226 28.1k**

Dec 18, 2018

0

0

Reply

## FEATURED ARTICLES

[Using Certificates For API Authentication In .NET 5](#)[List Of Commonly Used GitHub Commands](#)[How To Get Started With The Radzen Blazor Components](#)[Write Your First Smart Contract On Stratis Blockchain](#)[Getting Started With Azure Bastion](#)[View All](#)

## TRENDING UP

**01** [Commonly Used Angular Commands](#)**02** [What's New In Java 16?](#)**03** [Building Serverless API's Using Azure Functions And C#](#)**04** [List Of Commonly Used GitHub Commands](#)**05** [What Is New In Visual Studio 2022](#)**06** [Create And Validate JWT Token In .NET 5.0](#)**07** [Microservices Architecture Pattern - SAGA](#)**08** [Creating And Training Custom ML Model to Read Sales Receipts Using AI-Powered Azure Form Recognizer](#)**09** [Overview Of Vue.js](#)



[About Us](#) [Contact Us](#) [Privacy Policy](#) [Terms](#) [Media Kit](#) [Sitemap](#) [Report a Bug](#) [FAQ](#) [Partners](#)

[C# Tutorials](#) [Common Interview Questions](#) [Stories](#) [Consultants](#) [Ideas](#) [Certifications](#)

©2021 C# Corner. All contents are copyright of their authors.