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Answered by:



Martin Xie - MSFT

24,155 Points 5 6 11

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## Help Needed In Filling Web Form Using Vb

[Visual Studio Languages](#) , [.NET Framework](#) > [Visual Basic](#)

### Question



1

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I am trying to fill form located here

<http://www.24directory.com.ar/submit.php>

using web browser control.

i am using below mentioned code

Private Sub WebBrowser1\_DownloadComplete()

Dim looping As Integer

Dim hDoc As MSHTML.HTMLDocument

Dim hCol As MSHTML.IHTMLElementCollection

Dim hInp As MSHTML.HTMLInputElement

Dim hSub As MSHTML.HTMLInputElement

Dim hTxt As MSHTML.HTMLInputElement

Me.Caption = WebBrowser1.LocationName

If WebBrowser1.Busy = False Then

For looping = 1 To 10000

Next

Set hDoc = WebBrowser1.Document

Set hInp = hDoc.getElementById("TITLE")

If hInp Is Nothing = False Then

hInp.Value = "free humor"

End If

Set hInp = hDoc.getElementById("URL")

If hInp Is Nothing = False Then

hInp.Value = "http://freehumours.blogspot.com"

End If

Set hInp = hDoc.getElementById("DESCRIPTION")

If hInp Is Nothing = False Then

' hInp.Options.Add "Free humorous jokes for all ages and all categories." ' giving error

End If

Set hInp = hDoc.getElementById("OWNER\_NAME")

If hInp Is Nothing = False Then

hInp.Value = "zenil shroff"

End If

Set hInp = hDoc.getElementById("OWNER\_EMAIL")

If hInp Is Nothing = False Then

hInp.Value = "zenilshroff@yahoo.com"

End If

Set hInp = hDoc.getElementById("CATEGORY\_ID")



<http://social.msdn.microsoft.com/Forums/vstudio/en-US/4ec55500-56a7-4656-b4dd-1e5871fc9806/help-needed-in-filling-web-form-using-vb?forum=vbqen...> 2/32

## Public Class Form1

Best regards,  
Martin

24,155 Points





2

[Sign in to vote](#)

tech180 said:

I need to figure out [how to detect if a text box is empty of text on a web form.](#)

Hi tech,

Here is code sample for you to try:

```
Public Class Form1
    Private Sub Form1_Load(ByVal sender As System.Object, ByVal e As System.EventArgs)
        'Part 1: Load web page in Form_Load event
        WebBrowser1.Navigate("https://www.yoursite.com/")
    End Sub

    Private Sub WebBrowser1_DocumentCompleted(ByVal sender As System.Object, ByVal e As System.WebBrowser.Ds
        'Part 2: Detect if a textbox is empty on a web page
        'e.g. There is such textbox: <INPUT id=username maxLength=96 size=17 name=log
        Dim theElementCollection As HtmlElementCollection = WebBrowser1.Document.GetElementsByTagName("input")
        For Each curElement As HtmlElement In theElementCollection
            Dim controlName As String = curElement.GetAttribute("id").ToString
            If controlName = "username" Then
                Dim txtValue As String = curElement.GetAttribute("Value") ' Get value/text from
                If txtValue.Trim = "" Then
                    MessageBox.Show("This TextBox on web page is empty.")
                End If
            End If
        Next
    End Sub
End Class
```

Related code samples:

1. Automatically login in one website (input uername/password and click Login button)

<http://forums.microsoft.com/MSDN/ShowPost.aspx?PostID=2486275&SiteID=1>2. Automatically Live search <http://www.live.com/> (enter search keyword and click

Search button)

<http://forums.msdn.microsoft.com/en-US/vbgeneral/thread/f06fcdca-ed9b-464b-ba08-edd26b0dc801/>

Best regards,

Martin Xie

Edited by [Martin Xie - MSFT](#) Monday, November 10, 2008 11:51 AM EditMarked as answer by [Martin Xie - MSFT](#) Sunday, November 16, 2008 10:40 AM

Monday, November 10, 2008 11:49 AM

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24,155 Points



## All replies



This looks like vb6 code, you may want to post your question in another post



0

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Tuesday, May 20, 2008 3:52 PM

[Reply](#) | [Quote](#) |[JohnGrove](#)


35,110 Points





Yes this is vb code, and i believe this is vb forum.



still help needed. 

0

Thursday, May 22, 2008 2:06 PM

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[Zenilshroff](#)

25 Points



Here is the heading that is in this room



Questions and discussions not covered in the other VB forums such as Data and Setup.  
(Not for VB6 questions.)

0

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Thursday, May 22, 2008 3:53 PM

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[JohnGrove](#)

35,110 Points



If this thread is in wrong section then please somebody let me know where to move this thread.



0

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Mod. please move this thread to appropriate category.

Friday, May 23, 2008 2:12 PM

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[Zenilshroff](#)

25 Points





For Visual Basic 6 questions, please read...



Visual Basic 6 and Earlier forum

1

<http://www.vbforums.com/forumdisplay.php?f=1>

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More information on VB6:

#### Useful Links

- [Visual Basic 6.0 on MSDN Library](#)
- [Visual Basic 6.0 Help and Support](#)
- [Visual Basic 6 Support on Windows Vista](#)
- [Service Pack 6 for Visual Basic 6.0](#)
- [Microsoft Visual Basic 6.0 Common Controls](#)
- [Visual Basic 6.0 Upgrade Guidance](#)
- [Visual Basic 6.0 Code Advisor](#)
- [Visual Basic 6.0 Upgrade Samples](#)
- [Visual Basic at the Movies](#)

#### Other VB Web Sites

- [VB-Helper](#)
- [Code Guru](#)
- [Planet Source Code](#)
- [VB City](#)
- [VB Forums](#)
- [Code Project](#)

You can consider using Visual Basic Express Edition (.NET), it's free-to-download, free-to-register, easy-to-use, easy-to-learn and funny!

#### Download Visual Basic 2008 Express Edition

<http://msdn2.microsoft.com/en-us/express/future/bb421473.aspx>

#### Download Visual Basic 2005 Express Edition

<http://msdn2.microsoft.com/en-us/express/aa975050.aspx>

#### Difference between VB6 and VB.NET

<http://forums.microsoft.com/MSDN/ShowPost.aspx?PostID=2382129&SiteID=1>

VB5.0 -> VB6.0 -> VB .Net 2002 (VB 7.0) -> VB .Net 2003 (VB 7.1) -> VB .Net 2005 (VB 8.0) -> VB .Net 2008 (VB 9.0)

You can upgrade Visual Basic 6.0 project to Visual Basic .NET project

<http://forums.microsoft.com/MSDN/ShowPost.aspx?PostID=2535123&SiteID=1>

Monday, May 26, 2008 8:42 AM

[Reply](#) | [Quote](#) |

[Martin Xie - MSFT](#)

24,155 Points



3

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#### Zenilshroff wrote:

I am trying to fill form located here  
<http://www.24directory.com.ar/submit.php>  
using web browser control.

i am also unable to **select radio button regular link**.  
I just want to know how to **add text to textarea box "Description"** and also  
want to know how to **select specific category from combobox category**.

```
WebBrowser1.Document.GetElementsByTagName("color")
```

## Help Needed In Filling Web Form Using Vb

```
WebBrowser1.Document.GetElementsByTagName( select )
For Each curElement As HtmlElement In theElementCollection
    Dim controlName As String = curElement.GetAttribute("name").ToString
    If controlName = "CATEGORY_ID" Then
        curElement.SetAttribute("Value", "1")
    End If
Next
End Sub

End Class
```

Best regards,  
Martin

Monday, May 26, 2008 8:51 AM

[Reply](#) | [Quote](#) |

[Martin Xie - MSFT](#)

24,155 Points



0

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This was exactly the help I needed too!!!!!! Could you help me figure out one more thing? I need to figure out how to detect if a text box is empty of text on a web form.

Thanks!

Saturday, November 08, 2008 7:26 AM

[Reply](#) | [Quote](#) |

[tech180](#)

0 Points







2

[Sign in to vote](#)

tech180 said:

I need to figure out [how to detect if a text box is empty of text on a web form.](#)

Hi tech,

Here is code sample for you to try:

```
Public Class Form1
    Private Sub Form1_Load(ByVal sender As System.Object, ByVal e As System.EventArgs)
        'Part 1: Load web page in Form_Load event
        WebBrowser1.Navigate("https://www.yoursite.com/")
    End Sub

    Private Sub WebBrowser1_DocumentCompleted(ByVal sender As System.Object, ByVal e As System.Web.Browser.DocumentCompletedEventArgs)
        'Part 2: Detect if a textbox is empty on a web page
        'e.g. There is such textbox: <INPUT id=username maxLength=96 size=17 name=log
        Dim theElementCollection As HtmlElementCollection = WebBrowser1.Document.GetElementsByName("username")
        For Each curElement As HtmlElement In theElementCollection
            Dim controlName As String = curElement.GetAttribute("id").ToString
            If controlName = "username" Then
                Dim txtValue As String = curElement.GetAttribute("Value") ' Get value/text from
                If txtValue.Trim = "" Then
                    MessageBox.Show("This TextBox on web page is empty.")
                End If
            End If
        Next
    End Sub
End Class
```

Related code samples:

1. Automatically login in one website (input uername/password and click Login button)

<http://forums.microsoft.com/MSDN/ShowPost.aspx?PostID=2486275&SiteID=1>2. Automatically Live search <http://www.live.com/> (enter search keyword and click

Search button)

<http://forums.msdn.microsoft.com/en-US/vbgeneral/thread/f06fcdca-ed9b-464b-ba08-edd26b0dc801/>

Best regards,

Martin Xie

Edited by [Martin Xie - MSFT](#) Monday, November 10, 2008 11:51 AM [Edit](#)Marked as answer by [Martin Xie - MSFT](#) Sunday, November 16, 2008 10:40 AM

Monday, November 10, 2008 11:49 AM

[Reply](#) | [Quote](#) |[Martin Xie - MSFT](#) 24,155 Points

0

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Hi i would like to know what is this control WebBrowser1 , do we need to import anything to get this , as i am not able to get this in vb.net , visual studio 2005

Friday, April 24, 2009 12:20 PM

[Reply](#) | [Quote](#) |[devpan \(Partner\)](#) 10 Points



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Hi devpan,

Right-click on Toolbox -> Choose item -> .NET Framework Components -> Locate "WebBrowser" and add it to Toolbox

Best regards,  
Martin Xie

Please remember to mark the replies as answers if they help and unmark them if they provide no help.

Welcome to the All-In-One Code Framework! If you have any feedback, please tell us. Send us any feedback you have about the help from MSFT at [fbmsdn@microsoft.com](mailto:fbmsdn@microsoft.com).

Monday, April 27, 2009 3:59 AM

[Reply](#) | [Quote](#) |

Martin Xie - MSFT 24,155 Points



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I am trying to fill form located here  
<http://www.24directory.com.ar/submit.php>  
 using web browser control.

I am also unable to **select radio button regular link**.  
I just want to know how to **add text to textarea box "Description"** and also  
want to know how to **select specific category from combobox category**.

Thank you [the\\_grove\\_man](#) for your friendly help and support!

Hi Zenilshroff,

Welcome to MSDN forums!

Now I come up with the solution in VB.NET, please take it a try:

In VB.NET, you can use [GetElementsByTagName](#) or [GetElementsById](#) function to locate webpage elements and automate them (e.g. get/set element value, click button).

Good sample: <http://forums.microsoft.com/MSDN/ShowPost.aspx?PostID=2486275&SiteID=1>

Automatically login in one website (input uername/password and click Login button)

By Viewing html code of the page <http://www.24directory.com.ar/submit.php>,  
you can find the three elements in question:

- ### 1. Regular links Radio Button

[illegible]

Then the following code sample will work perfect as you expect in VB.NET:

Hey Martin Xie!

You are extremely brilliant, oh & a cute asian guy! lol .'o)

Code Snippet

Public Class Form1

```

Private Sub Form1_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
    ' Load particular page in WebBrowser object
    WebBrowser1.Navigate("http://www.24directory.com.ar/submit.php")
End Sub

Private Sub WebBrowser1_DocumentCompleted(ByVal sender As
System.Object, ByVal e As
System.Windows.Forms.WebBrowserDocumentCompletedEventArgs) Handles
WebBrowser1.DocumentCompleted
    ' Part 1: Locate the Radio button "Regular links" and automatically
click it
    '<input type="radio" name="LINK_TYPE" value="normal">
    Dim theElementCollection As HtmlElementCollection =
WebBrowser1.Document.GetElementsByTagName("Input")
    For Each curElement As HtmlElement In theElementCollection
        Dim controlValue As String = curElement.GetAttribute("Value").ToString
        If controlValue = "normal" Then
            curElement.InvokeMember("click")
        End If
    Next

    ' Part 2: Locate the Description RichTextBox and automatically input
some text
    '<textarea name="DESCRIPTION" rows="3" cols="37" class="text">
</textarea>
    theElementCollection =
WebBrowser1.Document.GetElementsByTagName("textarea")
    For Each curElement As HtmlElement In theElementCollection
        Dim controlName As String = curElement.GetAttribute("name").ToString
        If controlName = "DESCRIPTION" Then
            curElement.SetAttribute("Value", "Some description")
        End If
    Next

    ' Part 3: Locate the Category ComboBox element and automatically
choose one option
    '<select name="CATEGORY_ID">
    '<option label="[Top]" value="0" selected="selected">[Top]</option>
    '<option label="|__Automotive" value="1">|__Automotive</option>
    '<option label="|&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&|__Alarms - Audio - Video"
value="734">|&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&|__Alarms - Audio - Video</option>
    '</select>
    theElementCollection =
WebBrowser1.Document.GetElementsByTagName("select")
    For Each curElement As HtmlElement In theElementCollection
        Dim controlName As String = curElement.GetAttribute("name").ToString
        If controlName = "CATEGORY_ID" Then
            curElement.SetAttribute("Value", "1")
        End If
    Next
End Sub

End Class

```



0

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Thank you [the\\_grove\\_man](#) for your friendly help and support!

Hi Zenilshroff,

Welcome to MSDN forums!

Now I come up with the solution in VB.NET, please take it a try:

In VB.NET, you can use [GetElementsByTagName](#) or [GetElementsById](#) function to locate webpage elements and automate them (e.g. get/set element value, click button).

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Automatically login in one website (input uername/password and click Login button)

By Viewing html code of the page  
<http://www.24directory.com.ar/submit.php>, you can find the three  
elements in question:

### 1. Regular links Radio Button

```
<input type="radio" name="LINK_TYPE" value="normal" >  
2. Description RichTextBox  
<textarea name="DESCRIPTION" rows="3" cols="37" class="text">  
</textarea>  
3. Category ComboBox  
<select name="CATEGORY_ID">  
<option label="[Top]" value="0" selected="selected">[Top]</option>  
<option label="| __Automotive" value="1">| __Automotive</option>  
<option label="|&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;& | __Alarms - Audio - Video"  
value="734">|&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;& | __Alarms - Audio - Video</option>  
... more options  
</select>
```

Then the following code sample will work perfect as you expect in VB.NET:

Best regards,  
Martin

Hey Martin Xie!

You are extremely brilliant, oh & a cute asian guy! lol .'o)

I was wondering if you would pm me since I see that you know exactly what source code I'm looking for. I will give you better detail with what it is that I'm trying to do. Please contact me a.s.a.p.. Thank you

Code Snippet

Public Class Form1

```
Private Sub Form1_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
    ' Load particular page in WebBrowser object
    WebBrowser1.Navigate("http://www.24directory.com.ar/submit.php")
End Sub
```

```
Private Sub WebBrowser1_DocumentCompleted(ByVal sender As
System.Object, ByVal e As
System.Windows.Forms.WebBrowserDocumentCompletedEventArgs)
Handles WebBrowser1.DocumentCompleted
```

**Zenilshroff wrote:**

i am also unable to **select radio button regular link**.  
I just want to know how to **add text to textarea box "Description"** and  
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I was wondering if you would pm me since I see that you know exactly what source code I'm looking for. I will give you better detail with what it is that I'm trying to do. Please contact me a.s.a.p.. Thank you

<http://social.msdn.microsoft.com/Forums/vstudio/en-US/4ec55500-56a7-4656-b4dd-1e5871fc9806/help-needed-in-filling-web-form-using-vb?forum=vbqe...> 13/32

Sunday, May 03, 2009 8:33 AM

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[Inforequester123](#) [Home](#)

45 Points



0

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tech180 said:

I need to figure out how to detect if a text box is empty of text on a web form.

Hi tech,

Here is code sample for you to try:

```
Public Class Form1

    Private Sub Form1_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
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        'Part 2: Detect if a textbox is empty on a web page
        'e.g. There is such textbox: <INPUT id=username maxLength=96 size=17 name=username type=text>
        Dim theElementCollection As HtmlElementCollection = WebBrowser1.Document.GetElementsByTagName("input")
        For Each curElement As HtmlElement In theElementCollection
            Dim ctrlName As String = curElement.GetAttribute("id").ToString()
            If ctrlName = "username" Then
                Dim txtValue As String = curElement.GetAttribute("Value") ' Get value/text of the textbox
                If txtValue.Trim = "" Then
                    MessageBox.Show("This TextBox on web page is empty.")
                End If
            End If
        Next
    End Sub

End Class
```

Related code samples:

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<http://forums.msdn.microsoft.com/en-US/vbgeneral/thread/f06fcdca-ed9b-464b-ba08-edd26b0dc801/>

Best regards,

Martin Xie

Hey Martin!!!

I love your assistance & I see why you receive 5 Medals.

I wanted to ask you how I can make vb 2008 connect to web forms, fill them out & submit them all from vb 2008 objects/fields.

E.g. My vb form will have a gui that consists of textboxes, buttons etc... that will enter the data to web forms.

Here is Google accounts Sign-Up page & I want to automate the Sign-Up process:

<https://www.google.com/accounts/NewAccount?>

service=mail&continue=http%3A%2F%2Fmail.google.com%2Fmail%2Fe-11-fc4379ac90e2fef7720c8de75a360-

362bd288067d57f1a0e8fd1f2e271813505fccfb&type=2

Please take a look at this Gmail Account Creator app. that automate sign-up & see if you can assist me on this:

<http://sites.google.com/site/akfdajfdlkjcom/>

All I need is for you to tell me how to connect to the fields on any webpage that I want from VB 2008 Fields to any Web forms. I would really appreciate your help on this.

Sunday, May 03, 2009 9:06 PM

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[VisualBasicCoder](#)

0 Points



0

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            If controlName = "username" Then
                Dim txtValue As String = curElement.GetAttribute("Value") ' Get value/
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<http://forums.msdn.microsoft.com/en-US/vbgeneral/thread/f06fcdca-ed9b-464b-ba08-edd26b0dc801/>

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<https://www.google.com/accounts/NewAccount?service=mail&continue=http%3A%2F%2Fmail.google.com%2Fmail%2Ffe-11-fc4379ac90e2fef7720c8de75a360-362bd288067d57f1a0e8fd1f2e271813505fccfb&type=2>

Please take a look at this Gmail Account Creator app. that automate sign-up & see if you can assist me on this:

<http://sites.google.com/site/akfdajfdlkjcom/>

All I need is for you to tell me how to connect to the fields on any webpage that I want from VB 2008 Fields to any Web forms. I would really appreciate your help on this.

I was wondering the same exact thing. Can't find it anywhere on the net !

Monday, May 04, 2009 6:06 AM

[Reply](#) | [Quote](#) |

[VBLearner321](#)

0 Points



2

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Hi inforequestergirl, VisualBasicCoder, VBLearner321,

1. Here are similar code samples for you to check.

Automatically login in to the Yahoo website (Input uername/password and click Login button)

<http://social.msdn.microsoft.com/Forums/en/vbgeneral/thread/0b77ca8c-48ce-4fa8-9367-c7491aa359b0/>

Automatically execute a Windows Live search or Google (Enter search keyword and click Search button)

<http://social.msdn.microsoft.com/forums/en-US/vbgeneral/thread/f06fcdca-ed9b-464b-ba08-edd26b0dc801/>

2. Please check this FAQ for detail instruction about WebBrowser Automation.

FAQ: How do I automate a web page (e.g. retrieve page text, login website, search, click button or hyperlink) via WebBrowser

<http://social.msdn.microsoft.com/Forums/en-US/vbgeneral/thread/23dfc3f9-3274-4929-8dc5-9ba543f4911d>

Best regards,  
Martin Xie

Please remember to mark the replies as answers if they help and unmark them if they provide no help.

[Welcome to the All-In-One Code Framework!](#) If you have any feedback, please tell us. Send us any feedback you have about the help from MSFT at [fbmsdn@microsoft.com](mailto:fbmsdn@microsoft.com).

Tuesday, May 05, 2009 3:34 AM

[Reply](#) | [Quote](#) |

[Martin Xie - MSFT](#)

24,155 Points







0

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Hi inforequestergirl, VisualBasicCoder, VB Learner321,

1. Here are similar code samples for you to check.

Automatically login in to the Yahoo website (Input uername/password and click Login button)

<http://social.msdn.microsoft.com/Forums/en/vbgeneral/thread/0b77ca8c-48ce-4fa8-9367-c7491aa359b0/>

Automatically execute a Windows Live search or Google (Enter search keyword and click Search button)

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Best regards,

Martin Xie

Please remember to mark the replies as answers if they help and unmark them if they provide no help.

Welcome to the All-In-One Code Framework! If you have any feedback, please tell us. Send us any feedback you have about the help from MSFT at [fbmsdn@microsoft.com](mailto:fbmsdn@microsoft.com).

Hey Martin,

Thanks for you quick reply, however, I'm trying to do the same thing that VisualBasicCoder is doing. I would like to control the fields from my vb form to the web form.

e.g. If it were the yahoo login page, I would like to send the data that was typed **FROM** the **VB** Username textbox **TO** the web form Username textbox so that whatever data I typed in the vb form will then transfer the data into the web forms fields. Then I will fire the webbrowser from the vb form's START button in which it will then launch the specified url and enter the data from the vb form to the web form.

I think I need to make the vb textbox match the web form textbox so that whatever I type into vb will then send the data to the web form. I'm not sure how to implement this type of source code. Any input? Thanks.

Tuesday, May 05, 2009 6:05 AM

[Reply](#) | [Quote](#) |

VB Learner321

0 Points





0

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Hi inforequestergirl,VisualBasicCoder,VBLearner321,

1. Here are similar code samples for you to check.

Automatically login in to the Yahoo website (Input uername/password and click Login button)

<http://social.msdn.microsoft.com/Forums/en/vbgeneral/thread/0b77ca8c-48ce-4fa8-9367-c7491aa359b0/>

Automatically execute a Windows Live search or Google (Enter search keyword and click Search button)

<http://social.msdn.microsoft.com/forums/en-US/vbgeneral/thread/f06fcdca-ed9b-464b-ba08-edd26b0dc801/>

2. Please check this FAQ for detail instruction about WebBrowser Automation.

FAQ: How do I automate a web page (e.g. retrieve page text, login website, search, click button or hyperlink) via WebBrowser

<http://social.msdn.microsoft.com/Forums/en-US/vbgeneral/thread/23dfc3f9-3274-4929-8dc5-9ba543f4911d>

Best regards,

Martin Xie

Please remember to mark the replies as answers if they help and unmark them if they provide no help.

[Welcome to the All-In-One Code Framework!](#) If you have any feedback, please tell us.

Send us any feedback you have about the help from MSFT at [fbmsdn@microsoft.com](mailto:fbmsdn@microsoft.com).

Thanks Again Martin !!!

I really appreciate your help again. I think you are probably the best here that I've seen. By the way, what is your paypal ID? I want to donate a few bucks for you spectacular help & I want to send a few good words to MS about you. You deserve it.

Also, dont worry bout answering the last question because thanks to your other help, I have also put the pieces together for this one.

Please write back and I will put in a few bucks and pay a good compliment to MS of you. Thanks again brother!

Wednesday, May 06, 2009 3:03 AM

[Reply](#) | [Quote](#) |

[VBLearner321](#)

0 Points





0

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Hi inforequestergirl,VisualBasicCoder,VBLearner321,

1. Here are similar code samples for you to check.

Automatically login in to the Yahoo website (Input uername/password and click Login button)

<http://social.msdn.microsoft.com/Forums/en/vbgeneral/thread/0b77ca8c-48ce-4fa8-9367-c7491aa359b0/>

Automatically execute a Windows Live search or Google (Enter search keyword and click Search button)

<http://social.msdn.microsoft.com/forums/en-US/vbgeneral/thread/f06fcdca-ed9b-464b-ba08-edd26b0dc801/>

2. Please check this FAQ for detail instruction about WebBrowser Automation.

FAQ: How do I automate a web page (e.g. retrieve page text, login website, search, click button or hyperlink) via WebBrowser

<http://social.msdn.microsoft.com/Forums/en-US/vbgeneral/thread/23dfc3f9-3274-4929-8dc5-9ba543f4911d>

Best regards,

Martin Xie

Please remember to mark the replies as answers if they help and unmark them if they provide no help.

Welcome to the All-In-One Code Framework! If you have any feedback, please tell us. Send us any feedback you have about the help from MSFT at [fbmsdn@microsoft.com](mailto:fbmsdn@microsoft.com).

I'm trying to send password data from a vb 2008 form to

<https://www.google.com/accounts/NewAccount?service=mail&continue=http%3A%2F%2Fmail.google.com%2Fmail%2Ffe-11-745825ad9b106868d4fd368138fea2-039b03a0c2043cc8c2eb61e83c49b9628d5aa6fa&type=2>

(Google Accounts), but I want the vb form to allow the password data to be sent to google accounts in the web browser only after the radio button has been clicked/highlighted and then the main button start will be clicked (Start Button).

The fields on the VB form will then fade and cannot be changed once the start button has been clicked and the web browser is in action.

Heres what I want my VB form to look like below:

<http://sites.google.com/site/dfadfadfinc/Home/1a.PNG?attredirects=0>

<http://sites.google.com/site/dfadfadfinc/Home/1a.PNG?attredirects=0>

Friday, May 08, 2009 6:25 AM

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VBLearner321

0 Points



0

Hi i would like to know what is this control WebBrowser1, do we need to import anything to get this, as i am not able to get this in vb.net, visual studio 2005

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Hi devpan,

The WebBrowser control is on Toolbox by default, you should be able to find it. If not there, you can add it to Toolbox like this:  
Right-click on Toolbox -> Choose item -> .NET Framework Components -> Locate "WebBrowser" and add it to Toolbox

Best regards,  
Martin Xie

Please remember to mark the replies as answers if they help and unmark them if they provide no help.

Welcome to the All-In-One Code Framework! If you have any feedback, please tell us. Send us any feedback you have about the help from MSFT at [fbmsdn@microsoft.com](mailto:fbmsdn@microsoft.com).

I'm trying to send password data from a vb 2008 form to

[https://www.google.com/accounts/NewAccount?](https://www.google.com/accounts/NewAccount?service=mail&continue=http%3A%2F%2Fmail.google.com%2Fmail%2Ffe-11-745825ad9b106868d4fd368138fea2-039b03a0c2043cc8c2eb61e83c49b9628d5aa6fa&type=2)

[service=mail&continue=http%3A%2F%2Fmail.google.com%2Fmail%2Ffe-11-745825ad9b106868d4fd368138fea2-](https://www.google.com/accounts/NewAccount?service=mail&continue=http%3A%2F%2Fmail.google.com%2Fmail%2Ffe-11-745825ad9b106868d4fd368138fea2-039b03a0c2043cc8c2eb61e83c49b9628d5aa6fa&type=2)

[039b03a0c2043cc8c2eb61e83c49b9628d5aa6fa&type=2](https://www.google.com/accounts/NewAccount?service=mail&continue=http%3A%2F%2Fmail.google.com%2Fmail%2Ffe-11-745825ad9b106868d4fd368138fea2-039b03a0c2043cc8c2eb61e83c49b9628d5aa6fa&type=2) (Google Accounts), but I want the vb form to allow the password data to be sent to google accounts in the web browser only after the radio button has been clicked/highlighted and then the main button start will be clicked (Start Button).

The fields on the VB form will then fade and cannot be changed once the start button has been clicked and the web browser is in action.

Heres what I want my VB form to look like below:

<http://sites.google.com/site/dfadfadfinc/Home/1a.PNG?attredirects=0>

The screenshot shows a Visual Basic form on the left and a Gmail account creation page on the right. The VB form has several sections: Password (with radio buttons for 'Auto generate random password' and 'Use this password'), Security Q/A (with 'Question' and 'Answer' fields), Forwarding (with 'Forward to email id' field), Proxy (with 'Use random proxies from Proxy bot' checkbox), and Control Panel (with 'START' and 'PAUSE' buttons). The Gmail page has fields for 'First name', 'Last name', 'Desired Login Name', 'Choose a password', and 'Re-enter password'. Blue arrows and text boxes indicate the flow of data from the VB form to the Gmail page. One text box says 'HOW DO I SEND THE PASSWORD FROM VB FORM TO HTML ONLY WHEN THE RADIO BUTTON IS SELECTED???' with an arrow pointing to the 'Use this password' radio button. Another text box says 'AFTER I CLICK START IT OPENS THE WEB BROWSER AND INPUTS THE PASSWORD DATA INTO THE WEB FORM.' with an arrow pointing to the 'START' button. A third text box says 'The characters you entered didn't match the word ver. Please try again. Letters are not case-sensitive' with an arrow pointing to the password fields on the Gmail page.

Edited by Martin Xie - MSFT Friday, May 08, 2009 11:03 AM Modify HTML View code to display an illustration on your post.

Friday, May 08, 2009 6:28 AM

Reply | Quote |

VB Learner321

0 Points





1

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Hi VBlearner,

Thank you for your kind words. You're welcome!

Here is code sample for you to take it a try.

**Prerequisites:** RadioButton1, TextBox1, Button1 and WebBrowser1 onto Form1.

Public Class Form1

```
Private Sub Form1_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
    'You can consider loading web page in Form_Load event
    WebBrowser1.Navigate("https://www.google.com/accounts/NewAccount?service=mail&continue=http://mail.google.com/mail/e-11-745825ad9b106868d4fd368138fea2-039b03a0c2043cc8c2eb61e83c49b9628d5aa6fa&type=2")
End Sub
```

```
Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click
    'Disable all controls after clicking Start button
    For Each c As Control In Me.Controls
        c.Enabled = False
    Next
```

```
    ' Locate the two Password TextBoxes and automatically input password
    ' <input type="password" name="Passwd" id="Passwd" size="30" onkeyup="CreateRatePasswdReq('createaccount')"/>
    ' <input type="password" name="PasswdAgain" id="PasswdAgain" size="30"/>
```

```
    Dim theElementCollection As HtmlElementCollection = WebBrowser1.Document.GetElementsByTagName("Input")
    For Each curElement As HtmlElement In theElementCollection
        Dim controlName As String = curElement.GetAttribute("Name").ToString
        If controlName = "Passwd" Or controlName = "PasswdAgain" Then
            If RadioButton1.Checked = True Then
                curElement.SetAttribute("Value", TextBox1.Text) 'Pass password from Form to web page
            End If
        End If
    Next
```

```
    ' Then you can locate and automate other web elements
```

```
    'Enable all controls after WebBrowser Automation actions
    For Each c As Control In Me.Controls
        c.Enabled = True
    Next
```

End Sub

End Class

Best regards,  
Martin Xie

Please remember to mark the replies as answers if they help and unmark them if they provide no help.

[Welcome to the All-In-One Code Framework!](#) If you have any feedback, please tell us.

Send us any feedback you have about the help from MSFT at [fbmsdn@microsoft.com](mailto:fbmsdn@microsoft.com).

Friday, May 08, 2009 11:32 AM

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[Martin Xie - MSFT](#) 24,155 Points




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Additionally, if you want to load web page and perform actions once the start button has been clicked, please use this code sample:

Prerequisites: RadioButton1, TextBox1, Button1 and WebBrowser1 onto Form1.  
Public Class Form1

```

    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click
        'Disable all controls after clicking Start button
        For Each c As Control In Me.Controls
            c.Enabled = False
        Next

        'Loading web page after clicking Start button
        WebBrowser1.Navigate("https://www.google.com/accounts/NewAccount?service=mail&continue=http://mail.google.com/mail/e-11-745825ad9b106868d4fd368138fea2-039b03a0c2043cc8c2eb61e83c49b9628d5aa6fa&type=2")
    End Sub

    Private Sub WebBrowser1_DocumentCompleted(ByVal sender As System.Object, ByVal e As System.Windows.Forms.WebBrowserDocumentCompletedEventArgs) Handles WebBrowser1.DocumentCompleted
        ' Locate the two Password TextBoxes and automatically input password
        ' <input type="password" name="Passwd" id="Passwd" size="30" onkeyup="CreateRatePasswdReq('createaccount')"/>
        ' <input type="password" name="PasswdAgain" id="PasswdAgain" size="30"/>
        Dim theElementCollection As HtmlElementCollection = WebBrowser1.Document.GetElementsByTagName("Input")
        For Each curElement As HtmlElement In theElementCollection
            Dim controlName As String = curElement.GetAttribute("Name").ToString()
            If controlName = "Passwd" Or controlName = "PasswdAgain" Then
                If RadioButton1.Checked = True Then
                    curElement.SetAttribute("Value", TextBox1.Text) 'Pass password from Form to web page
                End If
            End If
        Next

        ' Then you can locate and automate other web elements

        'Enable all controls after WebBrowser Automation actions
        For Each c As Control In Me.Controls
            c.Enabled = True
        Next

    End Sub

End Class

```

Please remember to mark the replies as answers if they help and unmark them if they provide no help.

[Welcome to the All-In-One Code Framework!](#) If you have any feedback, please tell us. Send us any feedback you have about the help from MSFT at [fbmsdn@microsoft.com](mailto:fbmsdn@microsoft.com).

Friday, May 08, 2009 11:42 AM

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[Martin Xie - MSFT](#)

24,155 Points



Additionally, if you want to load web page and perform actions once the start button has been clicked, please use this code sample:

0

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Prerequisites: RadioButton1, TextBox1, Button1 and WebBrowser1 onto Form1.

**Public Class** Form1

**Private Sub** Button1\_Click(**ByVal** sender **As** System.Object, **ByVal** e **As** System.EventArgs) **Handles** Button1.Click

'Disable all controls after clicking Start button

**For Each** c **As** Control **In** Me.Controls

c.Enabled = **False**

**Next**

'Loading web page after clicking Start button

WebBrowser1.Navigate("https://www.google.com/accounts/NewAccount?service=mail&continue=http://mail.google.com/mail/e-11-745825ad9b106868d4fd368138fea2-039b03a0c2043cc8c2eb61e83c49b9628d5aa6fa&type=2")

**End Sub**

**Private Sub** WebBrowser1\_DocumentCompleted(**ByVal** sender **As** System.Object, **ByVal** e **As** System.Windows.Forms.WebBrowserDocumentCompletedEventArgs) **Handles** WebBrowser1.DocumentCompleted

' Locate the two Password TextBoxes and automatically input password

' <input type="password" name="Passwd" id="Passwd" size="30" onkeyup="CreateRatePasswdReq('createaccount')"/>

' <input type="password" name="PasswdAgain" id="PasswdAgain" size="30"/>

**Dim** theElementCollection **As** HtmlElementCollection = WebBrowser1.Document.GetElementsByTagName("Input")

**For Each** curElement **As** HtmlElement **In** theElementCollection

**Dim** controlName **As** String = curElement.GetAttribute("Name").ToString

**If** controlName = "Passwd" **Or** controlName = "PasswdAgain" **Then**

**If** RadioButton1.Checked = **True** **Then**

curElement.SetAttribute("Value", TextBox1.Text)  
'Pass password from Form to web page

**End If**

**End If**

**Next**

```
' Then you can locate and automate other web elements

'Enable all controls after WebBrowser Automation actions

For Each c As Control In Me.Controls

    c.Enabled = True

Next

End Sub

End Class
```

Please remember to mark the replies as answers if they help and unmark them if they provide no help.

[Welcome to the All-In-One Code Framework!](#) If you have any feedback, please tell us. Send us any feedback you have about the help from MSFT at [fbmsdn@microsoft.com](mailto:fbmsdn@microsoft.com).

Thanks again Martin. As I have said in the past, you are the best here. :oD

I still have a lot of questions since I'm new to vb 2008 and I will only ask a few for now.

1- How do I get the InputBox to enter the data into the CAPTCHA Textbox with only one press of the "Enter" key instead of having to press it three times to make the data connect?

2- I want to implement proxy rotation into my form. Can you direct me to a good vb 2008 proxy tutorial?

3- I also want to forward my emails to one main account, but I can't get my form to automatically click the "Show me my account button" ( can't find the html button for it .) This is on the second page of google accounts and the third page is where I would automate the forwarding to one main gmail account. I just need to get past the second page with the button click of "Show me my account".

If you can't answer all three at this time, that's okay, but I would appreciate if you could answer 2-3 which is most important right now. I really want to finish this software program a.s.a.p..



Thanks again martin and sorry if this is too much, but I figured you could easily answer these q's since you are soo great at this

Tuesday, May 12, 2009 12:21 PM

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VBLEARNER123

0 Points



0

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tech180 said:

I need to figure out **how to detect if a text box is empty of text on a web form.**

Hi tech,

Here is code sample for you to try:

```
Public Class Form1
    Private Sub Form1_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
        'Part 1: Load web page in Form_Load event
        WebBrowser1.Navigate("https://www.yoursite.com/")
    End Sub

    Private Sub WebBrowser1_DocumentCompleted(ByVal sender As System.Object, ByVal e As System.WebBrowser.Ds
        'Part 2: Detect if a textbox is empty on a web page
        'e.g. There is such textbox: <INPUT id=username maxLength=96 size=17 name=username type=text value=""
        Dim theElementCollection As HtmlElementCollection = WebBrowser1.Document.GetElementsByTagName("input")
        For Each curElement As HtmlElement In theElementCollection
            Dim controlName As String = curElement.GetAttribute("id").ToString
            If controlName = "username" Then
                Dim txtValue As String = curElement.GetAttribute("Value") ' Get value/text
                If txtValue.Trim = "" Then
                    MessageBox.Show("This TextBox on web page is empty.")
                End If
            End If
        Next
    End Sub
End Class
```

Related code samples:

1. Automatically login in one website (input username/password and click Login button)  
<http://forums.microsoft.com/MSDN/ShowPost.aspx?PostID=2486275&SiteID=1>
2. Automatically Live search <http://www.live.com/> (enter search keyword and click Search button)  
<http://forums.msdn.microsoft.com/en-US/vbgeneral/thread/f06fcdca-ed9b-464b-ba08-edd26b0dc801/>

Best regards,  
Martin Xie

I would like to automate the following page:

<https://post.craigslist.org/atl/S/msg/none/x> but I noticed when I click "View Source" on IE, that Craigslist has made some of the elements hidden or not visible.

This code isn't clicking the button:

```
theElementCollection = WebBrowser1.Document.GetElementsByTagName(
    "input")
For Each curElement As HtmlElement In theElementCollection
    If curElement.GetAttribute("value").Equals("Continue") Then
        curElement.InvokeMember("click")
    End If
End Sub
```

More

[next](#)

I figured out how to automate everything on this page except the button click. I tried all the methods that I seen within the forums, but I still can't get the "Continue Button" on the bottom of this page to click and go to the next page. Any input would be appreciated.

Tuesday, August 04, 2009 11:08 PM

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[Inforequester123](#) Home 45 Points



0

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This looks like vb6 code, you may want to post your question in another post

I would like to automate the following page:  
<https://post.craigslist.org/atl/S/msg/none/x> but I noticed when I click "View Source" on IE, that Craigslist has made some of the elements hidden or not visible.

This code isn't clicking the button:

```
theElementCollection = WebBrowser1.Document.GetElementsByTagName(  
  
"input")  
  
For Each curElement As HtmlElement In theElementCollection  
If curElement.GetAttribute("value").Equals("Continue") Then  
curElement.InvokeMember("click")  
End If  
Next
```

I figured out how to automate everything on this page except the button click. I tried all the methods that I seen within the forums, but I still can't get the "Continue Button" on the bottom of this page to click and go to the next page. Any input would be appreciated.

Tuesday, August 04, 2009 11:11 PM

[Reply](#) | [Quote](#) |

[Inforequester123](#) Home 45 Points





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Hi Inforequester123,

1. No matter whether some elements are hidden from page UI, we usually can locate them based on element attributes and automate them.

FAQ: How do I automate a web page (e.g. retrieve page text, login website, search, click button or hyperlink) via WebBrowser

<http://social.msdn.microsoft.com/Forums/en-US/vbgeneral/thread/23dfc3f9-3274-4929-8dc5-9ba543f4911d>

2. Please double check the page HTML code and the "Continue" button's HTML code is as below:

```
<button tabindex="1" type="submit"
name="U2FsdGVkX18xNTM0NDExMyRfgTOsvyQELh:vrUZTG-gO8x8oD7PQ.-4ruvlg6b9avo"
value="Continue">Continue</button>
```

**Please note: Its TagName is "button" not "input".**

Correct code sample

```
Dim theElementCollection As HtmlElementCollection
theElementCollection = WebBrowser1.Document.GetElementsByTagName("button")
For Each curElement As HtmlElement In theElementCollection
    If curElement.GetAttribute("value").Equals("Continue") Then
        curElement.InvokeMember("click")
    End If
Next
```

Best regards,  
Martin Xie

Please remember to mark the replies as answers if they help and unmark them if they provide no help.

[Welcome to the All-In-One Code Framework!](#) If you have any feedback on our support, please contact [msdnmg@microsoft.com](mailto:msdnmg@microsoft.com)

Wednesday, August 05, 2009 11:44 AM

[Reply](#) | [Quote](#) |

Martin Xie - MSFT

24,155 Points





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```

theElementCollection =
WebBrowser1.Document.GetElementsByTagName("select" )
    For Each curElement As HtmlElement In theElementCollection
        Dim controlName As String = curElement.GetAttribute("name"
).ToString
        If controlName = "CATEGORY_ID" Then
            curElement.SetAttribute("Value" , "1" )
        End If
    Next
Next

```

masterwaldo 0 Points



0

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' **Part 3:** Locate the **Category ComboBox** element and automatically choose one option

[illegible]

Hi,

I have HTML code something like this:

```
<tr><td>Type:</td><td>
<select name='link_type'>
<option value='1'>Option 1</option>
<option value='2' SELECTED>Option 2</option>
<option value='3'>Option 3</option>
</select>
```

And this is my code (only partial of it shown):

```

Dim theElementCollection As HtmlElementCollection
theElementCollection = WebBrowser1.Document.GetElementsByTagName("Input")

For Each curElement As HtmlElement In theElementCollection
    Dim controlName As String = curElement.GetAttribute("name")

    controlName.ToString

    If controlName = "link_type" Then
        curElement.SetAttribute("Value", "1")
    End If
Next

```

It seems there is nothing happens. I managed to send username, password, click button and as well as auto click the hypelink by following the guide that I found [here](#) , but not this dropdown menu.

Hope somebody can help me.

Regards.

Thursday, January 07, 2010 10:01 AM

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masterwaldo

0 Points





0

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Hi Martin,

Thanks for your VB.NET codes and it has been a really good help for me. I am automating a webpage to fill the required fields and then sign up automatically for me. but their is problem that how to automatically fill in the captcha field. your help would be appreciated by me or can u tell me how to link a API with the code you provided above.

Regards,

Wahab

Tuesday, June 15, 2010 6:18 AM

[Reply](#) | [Quote](#) |[engr\\_wahab](#)

10 Points





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tech180 said:

I need to figure out [how to detect if a text box is empty of text on a web form.](#)

Hi tech,

Here is code sample for you to try:

```
Public Class Form1

Private Sub Form1_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
'Part 1: Load web page in Form_Load event
WebBrowser1.Navigate("https://www.yoursite.com/")
End Sub

Private Sub WebBrowser1_DocumentCompleted(ByVal sender As System.Object,
ByVal e As System.Windows.Forms.WebBrowserDocumentCompletedEventArgs)
Handles WebBrowser1.DocumentCompleted
'Part 2: Detect if a textbox is empty on a web page
'e.g. There is such textbox:
Dim theElementCollection As HtmlElementCollection =
WebBrowser1.Document.GetElementsByTagName("Input")
For Each curElement As HtmlElement In theElementCollection
Dim controlName As String = curElement.GetAttribute("id").ToString
If controlName = "username" Then
Dim txtValue As String = curElement.GetAttribute("Value") ' Get value/text from
textbox
If txtValue.Trim = "" Then
MessageBox.Show("This TextBox on web page is empty.")
End If
End If
Next
End Sub

End Class
```

Related code samples:

1. Automatically login in one website (input uername/password and click Login button)  
<http://forums.microsoft.com/MSDN/ShowPost.aspx?PostID=2486275&SiteID=1>
2. Automatically Live search <http://www.live.com/> (enter search keyword and click Search button)  
<http://forums.msdn.microsoft.com/en-US/vbgeneral/thread/f06fcdca-ed9b-464b-ba08-edd26b0dc801/>

Best regards,  
Martin Xie

What you shared helps me understand it.

Saturday, January 15, 2011 1:37 AM

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Carlene.King

0 Points





hello martin....



0

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I have a question, what if the above conditions behind ..?  
so, when I press the button on the webpage then it will be shown on the form ... eg if the web page using HTML language ...?  
so, how should we write the script?

Thursday, April 28, 2011 8:59 PM

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[BYOKEMAN](#)

0 Points



Dear Martin,



0

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I know a lot of time passed since you posted here the routine to select into the combo box, but I'm facing now this issue and (even writing C# code) I think I got stuck at the same point but having a doubt that may will wolve my problem: selecting with SetAttribute an option does automatically mean invoke a click on that item? I suppose not. If the answer is really "NO", what should be invoked among these options:

- 1) the click on the selected option
- 2) the click on the select tag (meaning the comboBox)
- 3) a submin on the surrounding form Tag
- 4) a 4th case that I do not see?

Could u may help me?

tk

Wednesday, April 18, 2012 10:43 PM

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[pinoba](#)

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