

Forum:[Hack Forums](#)

Thread: [Webbrowser: Wait Until Element is Present](#)

ThatAlbinoFrog - April 3, 2018, 2:52 am

Hey!

Simple question, is there any way I can get a webbrowser to wait until an element is present? I'm not an amazing coder, so here's my best example of what I'm trying to do -

```
Code      Do While PageLoaded = False
          Dim OObject As Object
          OObject = WebBrowser1.Document.GetElementById("Element-That-I-Need-Loaded")
          If (OObject Is Nothing) Then
              Pageloaded = False
          Else
              PageLoaded = True
          End If
      Loop
```

The problem with this is that the element doesn't have an ID, so when I'm trying to do something like click it, I have to do something like this -

```
Code      For Each altelm As HtmlElement In
WebBrowser1.Document.GetElementsByTagName("SPAN")
          If altelm.GetAttribute("classname").ToString = "Classname-of-Element-I-Need-Loaded"
Then
          altelm.Focus()
          altelm.InvokeMember("click")
      End If
```

I've tried using documentcompleted, but the element loads in after the page, meaning I have to scroll down to load it in. Currently a timer works but if other people use this program with proxies or slower internet, the timer would have to be different.

I apologise if this is worded poorly, I'm new to this :)

Thanks!

Ninja - April 3, 2018, 3:27 am

If I recall correctly the DocumentCompleted event could fire multiple times. Try checking if the ReadyState property equals WebBrowserReadyState.Complete, and if so then proceed.

Though the WebBrowser component is one of the most unreliable things to make bots/automation tools with. If the task is not too complicated you can try and use the HttpClient, which is much more reliable.

SIM-2362662 - April 3, 2018, 12:09 pm

Send the whole code (with the timer included)

Apparatus - April 4, 2018, 7:49 am

Have the timer start once the element is detected in the document completed event. Then have an if statement that detects if the timer is running to keep it from firing multiple times like Ninja said.

You should try out geckofx if you're wanting to do this via web browser. The default control isn't so great lol.

Mike Tyler - July 28, 2018, 2:37 pm

PHP Code

```
<?php
Dim _Source as string = ""

Private Sub WaitForBrowser()

    Do Until Not _Source = ""
        Threading.Thread.Sleep(2000)
    Loop

End Sub

Private Sub Web_DocumentCompleted(sender As Object, e As
WebBrowserDocumentCompletedEventArgs) Handles Web.DocumentCompleted
    If e.Url.ToString = Web.Url.ToString Then
        _Source = Web.document.body.innerHTML
    End If
End Sub
```

iphone5s - July 31, 2018, 4:50 am

Recently I also faced the same problem but couldn't find solution anywhere and DocumentCompleted event also doesn't always work like you wanted, so I created my own solution this solution works best in multi-threading and also eliminates the problem of waiting for the element for a specific time.

Here's the code I use to wait for webbrowser control to finish initial page loading:

<https://pastebin.com/0aEqKtHi>

ThatAlbinoFrog - July 31, 2018, 5:06 pm

(Jul 31, 2018 04:50 AM)iphone5s Wrote: [\[CITE\]](#) Recently I also faced the same problem but couldn't find solution anywhere and DocumentCompleted event also doesn't always work like you wanted, so I created my own solution this solution works best in multi-threading and also eliminates the problem of waiting for the element for a specific time.

Here's the code I use to wait for webbrowser control to finish initial page loading:

<https://pastebin.com/0aEqKtHi>

Ah nice man, I just went for a Loopcount like this -

```
Code          Dim waitcount As Integer = 0

              Do While elementfound = False

                  waitcount += 1

                  If waitcount = Settings.HuraTextBox1.Text Then
```

```
GoTo SkipAll  
End If
```

```
For Each altelm As HtmlElement In  
WebBrowser1.Document.GetElementsByTagName("DIV")  
    If altelm.GetAttribute("classname").ToString = "comment-simplebox-renderer-collapsed  
comment-simplebox-trigger" Then  
        altelm.Focus()  
        altelm.InvokeMember("click")  
        elementfound = True  
    End If  
Next
```

```
Delay(1)
```

```
Loop
```