

Forum:[Hack Forums](#)

Thread: [Read all tabs open in chrome for example.](#)

pakalupapito - November 22, 2015, 4:00 am

Hey guys ^_^

So at the moment im working on this project i have so far... its almost done

But theres one thing that bothers me... my program does not read all the tabs i have open in chrome...

```
Code Dim p() As Process = Process.GetProcessesByName("chrome")
```

```
For Each procc As Process In p
```

```
    If Not ListBox1.Items.Contains(procc.MainWindowTitle) Then
```

```
        ListBox1.Items.Add(procc.MainWindowTitle)
```

```
    End If
```

NextThis is one code im using at the moment. Wich is im having trouble at... i know im using the procc.MainWindowTitle wrong... i've tried to search anywhere to get all window names all currently window tabs... but im kinda losing hope in google ^-^

Code Try

```
    Dim title As String = ListBox1.Items.Cast(Of String).First(Function(s)
```

```
s.Contains("YouTube"))
```

```
    title = title.Replace("- YouTube - Google Chrome", "")
```

```
    Label2.Text = title
```

```
    Me.Text = ("?? Song Playing ?? : " + title)
```

```
Catch ex As Exception
```

```
End TryAnd this is my second code, for the timer
```

//Edit: My goal is for the program to read all tabs i have open in chrome.

debug - November 22, 2015, 8:08 am

Check this out:

<https://stackoverflow.com/questions/7814027/how-can-i-get-urls-of-open-pages-from-chrome-and-firefox>

They mention a library you can use to get URL's, so you should be able to get the window titles as well.

pakalupapito - November 22, 2015, 2:30 pm

Quite hard for me since i only know some basics of VB.NET :/ im trying to get what they are trying to do there... but... its as good as my japanese :^]

He B TeMy - November 22, 2015, 3:09 pm

(Nov 22, 2015 03:30 PM)pakalupapito Wrote: [\[CITE\]](#) Quite hard for me since i only know some basics of VB.NET :/ im trying to get what they are trying to do there... but... its as good as my japanese :^]

I guess don't bother from that example, because the comments mention it doesn't work on every major browser anymore...

But, doesn't chrome spawn a new process per window? Reading the mainwindowtitle property

returns what?

pakalupapito - November 22, 2015, 3:16 pm

(Nov 22, 2015 04:09 PM)He B TeMy Wrote: [\[CITE\]](#) I guess don't bother from that example, because the comments mention it doesn't work on every major browser anymore...

But, doesn't chrome spawn a new process per window? Reading the `mainwindowtitle` property returns what?

It returns the last active window ^-^ so if like... i have for example 1 window only youtube right... seperate from my other window with 6 tabs, it is still gonna read my last "chrome" window title, and not seperately

Agent Raigar - November 22, 2015, 3:18 pm

[https://msdn.microsoft.com/en-us/library/windows/desktop/ms633494\(v=vs.85\).aspx](https://msdn.microsoft.com/en-us/library/windows/desktop/ms633494(v=vs.85).aspx)

pakalupapito - November 22, 2015, 3:27 pm

Yea i tried that too this morning @Agent Raigar... i've searched around and they mostly got it done till the `EnumChildWindows` function. I did not get further than that to be honest... My VB.NET knowledge/expectation isnt that amazing ^.^ but thanks :]

He B TeMy - November 22, 2015, 4:13 pm

Well, `p/invoke` is usually helpful, that and some reading capabilities on the API documentation should be enough, i can't give you an example right now myself though.

<http://www.pinvoke.net/default.aspx/user32.enumchildwindows>

pakalupapito - November 23, 2015, 4:00 am

Ya ill give it a go then^^ thanks man

pakalupapito - November 26, 2015, 6:46 am

To be honest im quite stuck with `enumchildwindows`... is there any example i could find somehow...

He B TeMy - November 26, 2015, 8:23 am

The link i posted has an example, but by looking at it it was written by some retard.

Anyway, it should be easy...

Code `EnumChildWindows(hwnd, ChildWindowsCallBack, IntPtr.Zero)`

'ChildWindowsCallBack is where the child windows are enumerated, see <https://msdn.microsoft.com/en-us/library/windows/desktop/ms633493%28v=vs.85%29.aspx?f=255&MSPPErr=-2147217396>

Private Shared Function ChildWindowsCallBack(hwnd As IntPtr, IParam As IntPtr) As Boolean
'Do what you need with the window parameters
Return True 'you must return true to keep enumerating the child windows.
End Function

pakalupapito - November 26, 2015, 8:49 am

I literally have been searching for 2 days now non-stop :/
for example... to add the childwindow of chrome right... to a listbox
should i be using `Listbox1.items.add(childwindowcallback(hwnd:="chrome.exe"; 32))`?

I found this aswell wich is quite interesting, but tbh... its so hard for me to understand... im just trying to get all window titles of chrome >-<

#edit nvm... can't post links... i found this if u google it "sendmessage notepad c#" first link, they work with childs aswell, but pretty hard to understand

/watch?v=9H8rQqy13Kk -> this might be interesting, but i get random numbers in my listbox now..

He B TeMy - November 26, 2015, 3:43 pm

my god, do you even know what you're doing? Or how to read? Or how to... fml

EnumChildWindows, by the fucking name, it enumerates the child windows of ANOTHER window, the MainWindow for a process in your case, HWND is a type in c++, it has a meaning of 'handle to a window', which means you must pass the handle to the window (an IntPtr in .net) to the function that you want to get the child windows from, understood thus far?

the callback i declared above which you need in order to enumerate the child windows that i named 'ChildWindowsCallBack' has two parameters, the first one is another HWND (this time, the handle is retrieved for you to do what you need to do with it) the second one doesn't matter in this case.

So... if you want to get the window text from each HWND, you'll have to use the <https://msdn.microsoft.com/en-us/library/windows/desktop/ms633520%28v=vs.85%29.aspx> GetWindowText API which this time it seems to have a nice example on p/invoke, <http://www.pinvoke.net/default.aspx/user32.getwindowtext>

Then, if you still don't understand where's the text on the window, it's on the variable "sb" which is a stringbuilder in the example above.

pakalupapito - November 28, 2015, 8:44 am

```
Code Private Shared Function ChildWindowsCallBack(hwnd As IntPtr, IParam As IntPtr) As Boolean
'Do what you need with the window parameters
Return True 'you must return true to keep enumerating the child windows.
End Function
```

Where 'Do what you need with the window parameters, is where i use the get text api right...?

He B TeMy - November 28, 2015, 8:51 am

(Nov 28, 2015 09:44 AM)pakalupapito Wrote: [\[CITE\]](#) Code Private Shared Function ChildWindowsCallBack(hwnd As IntPtr, IParam As IntPtr) As Boolean
'Do what you need with the window parameters
Return True 'you must return true to keep enumerating the child windows.
End Function

Where 'Do what you need with the window parameters, is where i use the get text api right...?
yes... you pass the 'hwnd' parameter (1st one) to the getwindowtext function.
p/invoke has an example.

pakalupapito - November 29, 2015, 2:36 am

I hope i am doing this somewhat correctly... :/ i feel terrible at this holy moly

```
Code Public Shared Function ChildWindowsCallBack(hwnd As IntPtr, IParam As IntPtr) As Boolean
    Dim length As Integer
    If hwnd.ToInt32 = 0 Then
        Return Nothing
    End If
    length = GetWindowTextLength(hwnd)
    If length = 0 Then
```

```
Return Nothing
End If
Dim sb As New System.Text.StringBuilder("", length)
GetWindowText(hwnd, sb, sb.Capacity + 1)
Return sb.ToString()
```

Return True 'you must return true to keep enumerating the child windows.

End Function

He B TeMy - November 29, 2015, 3:19 am
lol.

'hwnd' can't be null, don't know why you're converting it to integer and then checking if it is 0, you have IntPtr.Zero for that.

You're trying to instantiate a new stringbuilder with a fixed length, the stringbuilder is already empty i don't know why you're initiating it to empty again, just put the length and move on, BUT you don't need to.

Next line, you got the length, but instead of using it directly on the GetWindowText call you decide to use sb.capacity, that may work since you have a specific length on capacity but don't do that if you don't need to.

I told you the function needs to return true to keep enumerating, however, you apparently don't even know the basics of coding, you can only return ONE thing, that 'return true' there is unreachable, you also have "Return Nothing" which you should delete anyway as from what i said above.

Just save the text somewhere else like in a variable you declare outside of the function and move on.

That shouldn't even compile... gods sake.