

Re: How to receive events (eg. user mouse clicks) from IE

Source: <http://coding.derkeiler.com/Archive/Python/comp.lang.python/2005-05/msg02938.html>

- *From:* "Roger Upole" <rupole@xxxxxxxxxxxx>
 - *Date:* Sat, 21 May 2005 11:45:37 -0400
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There does appear to be some sort of conflict between the two event hooks. I wasn't seeing it before since IE was getting google from my browser cache and it was coming up almost instantaneously. As soon as I switched the URL to a page that loads slowly, I got the same result.

Adding `win32gui.PumpWaitingMessages()` to the wait loop seems to allow both event hooks to run without blocking each other.

Roger

<cal_2pac@xxxxxxxxxx> wrote:

- > Thanks for the response again. The solution is pretty close but not yet
- > complete
- > This is what I observed.
- > a) I tried to use the delay mechanism as suggested below
- > ie.
- > `ie.Navigate('www.google.com')`
- > `while ie.ReadyState != 4`
- > `time.sleep(0.5)`
- >
- > `d=win32com.client.DispatchWithEvents(ie.Document, Doc_Events)`
- >
- > IE **fails** to load the webpage
- >
- > b) Then I changed the delay to a specified time interval eg
- > `ie.Navigate('www.google.com')`
- > `time.sleep(60)` #wait for a minute
- > `d=win32com.client.DispatchWithEvents(ie.Document, Doc_Events)`
- >
- > IE loads the web page **after** 60 seconds
- >
- > c) Then I used `raw_input()` eg
- > `ie.Navigate('www.google.com')`
- > `raw_input()`
- > `d=win32com.client.DispatchWithEvents(ie.Document, Doc_Events)`
- > IE now loads the webpage and prompts the user. If I click on the web

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> page *before* clicking ok on the raw_input prompt – then it correctly
> invokes the Doc_Events method Ononactivate method.
>
>>>From these observations, it seems that there is some kind of a race
> condition / timing issue happening. Can you please comment (or maybe
> point me to other sources of info that I can investigate).
> I am running Python 2.3 on Windows 2k machine.
>

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• *Follow-Ups:*

- ◆ ***Re: How to receive events (eg. user mouse clicks) from IE***
 ◇ From: J Correia

• *References:*

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