

CoCoA-5 - Feature #1038

Emacs: sent interrupt to CoCoA

04 Apr 2017 17:53 - Anna Maria Bigatti

Status:	Closed	Start date:	04 Apr 2017
Priority:	Normal	Due date:	
Assignee:	Anna Maria Bigatti	% Done:	100%
Category:	EmacsUI	Estimated time:	4.01 hours
Target version:	CoCoA-5.2.0 spring 2017	Spent time:	3.80 hours
Description			
It would be handy to have a menu item or a key-binding to send interrupt to the cocoa5 buffer from a cocoa file.			

History

#1 - 04 Apr 2017 18:35 - John Abbott

It would be nice.

It would be nice if the key-sequence were the same as when the cursor is in the cocoa5 buffer, but that is a problem. The key-sequence for the cocoa5 buffer is C-c C-c which is already defined in a cocoa5-mode buffer as comment-region.

In the cocoa5 buffer the sequence C-c C-\ sends a KILL signal. Perhaps we could use C-c C-\ to send an interrupt? If you type C-c C-\ several times then it could send a KILL signal. Not ideal....

#2 - 05 Apr 2017 07:42 - Anna Maria Bigatti

- % Done changed from 0 to 10

John Abbott wrote:

It would be nice if the key-sequence were the same as when the cursor is in the cocoa5 buffer, but that is a problem. The key-sequence for the cocoa5 buffer is C-c C-c which is already defined in a cocoa5-mode buffer as comment-region.

I'm not sure (and I'll investigate how to do this ;-) but I think that one could detect whether there is a region selected (--> comment-region) or not (--> interrupt)

In the cocoa5 buffer the sequence C-c C-\ sends a KILL signal. Perhaps we could use C-c C-\ to send an interrupt? If you type C-c C-\ several times then it could send a KILL signal. Not ideal....

Hmmm, I'd rather have C-c C-i: easier to remember.

#3 - 05 Apr 2017 11:30 - John Abbott

- Status changed from New to In Progress

There are emacs commands **region-active-p** and **use-region-p**.

After reading the manual, I'm not really sure what they do (or what the difference between them is).

#4 - 05 Apr 2017 13:33 - John Abbott

Adding a new key-sequence should be quite easy; actually you probably need 2 new key-sequences (one for C-c C-c equivalent, and one for C-c C-\ equivalent). Maybe C-c C-i for "interrupt" (or BREAK in the emacs-cocoa menu), and C-c C-q for "hard quit" (or QUIT in the emacs-cocoa menu).

For adapting C-c C-c in cocoa5-mode, the code would need to do the following:

- if there is an "active" region then call comment-region and exit
- if there is no cocoa5 buffer or that buffer has no process then do nothing (and exit)
- send a BREAK to the process

#5 - 05 Apr 2017 17:46 - Anna Maria Bigatti

John Abbott wrote:

C-c C-q for "hard quit" (or QUIT in the emacs-cocoa menu).

there is already C-c C-k "kill"

For adapting C-c C-c in cocoa5-mode, the code would need to do the following:

- if there is an "active" region then call comment-region and exit
- if there is no cocoa5 buffer or that buffer has no process then do nothing (and exit)
- send a BREAK to the process

I'll have a try...

#6 - 06 Apr 2017 09:34 - Anna Maria Bigatti

- Status changed from In Progress to Feedback

- Assignee set to Anna Maria Bigatti

- Target version changed from CoCoA-5.2.2 to CoCoA-5.2.0 spring 2017

- % Done changed from 10 to 90

Done it!

I've been lucky and found comint-interrupt-subjob quickly.

I had some problems in testing it (load-file in emacs doesn't update all functionalities, I never investigated why).

Then I used region-active-p (defined in cocoa5.el), as for cocoa5-send-line-or-region, which just fell under my eyes.

I also added **Interrupt CoCoA-5** in the menu.

#7 - 06 Apr 2017 14:10 - John Abbott

Well done! :-)

I have made a small change: call use-region-p instead of region-active-p

If I understand correctly from the emacs doc, the only difference is when an empty region is selected (in which case use-region-p says that there is no region -- this seems more "intuitive" to me).

One minor niggle: if there is no cocoa5 buffer then C-c C-c creates it. I think I would prefer that C-c C-c do nothing in those circumstances (or perhaps display a message saying that there is no cocoa5 process).

NOTE after speaking to Anna, there are more urgent matters than my "minor niggle" to sort out...

#8 - 06 Apr 2017 23:48 - John Abbott

I have just checked in a new version which should use use-region-p if that fn is defined, o/w it uses region-active-p. Perhaps Anna can check that it works with her old emacs (v.22).

#9 - 26 Apr 2017 17:20 - Anna Maria Bigatti

- Status changed from *Feedback* to *Closed*

- % Done changed from 90 to 100

- Estimated time set to 4.01 h

Works for John (new emacs) and for me (old emacs).

Good.

Closing.