CoCoA-5 - Bug #1412

Emacs UI: font size

05 Feb 2020 22:02 - John Abbott

Status:	Closed	**Start date:**	05 Feb 2020
Priority:	Normal	**Due date:**	
Assignee:	John Abbott	**% Done:**	100%
Category:	EmacsUI	**Estimated time:**	3.55 hours
Target version:	CoCoA-5.4.0	**Spent time:**	3.55 hours

Description

With my emacs (ver. 25) I can increase the size of the font using C-x C-+.
This also works for a *cocoa5* comint buffer... until I send a command to be executed, when the size immediately reverts to normal (not helpful when giving a demo).

Find out how to preserve the chosen "magnification".

Related issues:

Related to CoCoA-5 - Feature #1358: Emacs UI: should active input line be cle...	**Closed**	**30 Oct 2019**
Related to CoCoA-5 - Design #1432: Emacs UI: cocoa5-shell-check-process vs. p...	**New**	**03 Mar 2020**

History

#1 - 05 Feb 2020 22:48 - Anna Maria Bigatti

On my computer it keeps the big fonts.
Both on emacs-24 and emacs-26.

#2 - 06 Feb 2020 16:14 - John Abbott

- Status changed from New to In Progress

- % Done changed from 0 to 10

An important clarification:

- if I send a line to CoCoA-5 then the magnification remains unaffected
- if I do **SourceRegion** or **source** then the magnification is "forgotten"

#3 - 06 Feb 2020 18:45 - Anna Maria Bigatti

same here!

#4 - 13 Feb 2020 14:01 - John Abbott

- Related to Feature #1358: Emacs UI: should active input line be cleared before sending line from CoCoA-5 file? added

#5 - 13 Feb 2020 14:04 - John Abbott

See comment 6 in issue #1358. I think it might be relevant here.

#6 - 26 Feb 2020 20:40 - John Abbott

Increased font size was forgotten when:

- had a *cocoa* buffer with no process, and then sent a single line (C-RET)

Increased font size preserved when:

- had a *cocoa* buffer with process, and then sent a single line (C-RET)

Increased font size was forgotten when:

- had a *cocoa* buffer with process, and then sent a single **long** line (C-RET); actually sent via cocoa5-send-region.

#7 - 26 Feb 2020 21:03 - John Abbott

Clue city!

In cocoa5.el near line 1743 in the fn defn for **cocoa5-send-region**,
I commented out the command **(if (not (eq (process-status "cocoa5") "run")) (cocoa5-make-shell))**
Now "send region" seems to preserve the font size!

#8 - 26 Feb 2020 22:22 - John Abbott

- % Done changed from 10 to 20

I had a quick look online for hints about increased font sizes...

- the emacs function which changes the font size is **text-scale-adjust**; it automatically activates the **minor mode** text-scale-mode
- typing M-x cocoa5 RET also causes the magnification to be forgotten

I am guessing that somewhere the minor mode becomes forgotten (*e.g.* by forcing the mode to be cocoa-comint?)

#9 - 03 Mar 2020 16:18 - John Abbott

- Related to Design #1432: Emacs UI: cocoa5-shell-check-process vs. process-status added

#10 - 03 Mar 2020 22:23 - John Abbott

I have made some improvement. Now "send region" should keep the font magnification.

M-x cocoa5 definitely forgets the magnification; this is also implicitly called by "send region" (and other "send" commands) if CoCoA-5 is no longer running. No idea how to fix this...

#11 - 04 Mar 2020 15:20 - John Abbott

- Status changed from In Progress to Resolved

- Assignee set to John Abbott

- % Done changed from 20 to 70

I have found one bug/slug...   The emacs fn **process-status** returns a symbol, not a string; so all the previous tests to see whether the result was the string **"run"** always returned false (well, **nil**), so that **cocoa5-make-shell** was always called (and this always clobbered the minor mode).

Anyway, now send-line, source-region and source-file should all preserve the magnification (so long as the process is still running).

Since I have been "hacking" the code blind (*i.e.* without really understanding what it is doing), I am not so sure that it will always the work the way I hope...

#12 - 16 Jun 2020 16:50 - John Abbott

See also https://stackoverflow.com/questions/2238418/emacs-lisp-how-to-get-buffer-major-mode

Emacs BUG: It seems that emacs forgets the text-scale-adjust if I reawaken my conmputer from sleep.

#13 - 14 Oct 2020 12:11 - Anna Maria Bigatti

John Abbott wrote:

> I have made some improvement. Now "send region" should keep the font magnification.

I confirm (emacs 26)

> M-x cocoa5 definitely forgets the magnification; this is also implicitly called by "send region" (and other "send" commands) if CoCoA-5 is no longer running. No idea how to fix this...

I think this should be another issue. Close this one?

#14 - 15 Oct 2021 14:09 - John Abbott

A quick search produced the following advice:

https://stackoverflow.com/questions/2238418/emacs-lisp-how-to-get-buffer-major-mode

The idea is to check whether there major mode is already cocoa5 (or whatever it should be), and set it only if not; the following reportedly finds the major mode... (not yet tried)

```
(buffer-local-value 'major-mode (get-buffer "*scratch*"))
```

Buffer *cocoa5* should have major mode **cocoa5-comint-mode**

#15 - 15 Oct 2021 20:12 - John Abbott

I think the relevant line is 1337 in cocoa5.el... too tired to try now.

#16 - 17 Oct 2021 20:49 - John Abbott

- Status changed from Resolved to Feedback

- % Done changed from 70 to 90

I have just checked in a modified version of cocoa5.el.
I have replaced line 1337 by an **if** which sets the major mode only if the major is not already cocoa5-comint-mode.
Some initial tests passed fine :-)
Moving to feedback... this really needs to be tested (since I am not sue whether my change is good)

#17 - 10 Nov 2021 18:17 - John Abbott

- Status changed from Feedback to Closed

- % Done changed from 90 to 100

- Estimated time set to 3.55 h