Subject: A terminal emulator widget for U++
Posted by Oblivion on Sat, 23 Mar 2019 21:31:25 GMT
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Hello,

tl;dr: I am going to publish a terminal emulator widget for U++, in the following month (April).

From the user POV, it is a very simple Ctrl that can be embedded in any U++ applications via traditional U++ way: (E.g. Add(terminal.SizePos())
And it has a very "thin" public api.
Also its page and parser components are completely decoupled, and documented, and can be used seperately in any project (Read: You can write your own terminal emulator that suits your need with ease).

Before I publish it, I'd like to know what features you would like to see in it.

Currently it is more capable than Win10's new ANSI console.

At the moment it supports:

- VT52/ANSI/1xxx/2xx and -partially- 4xx/5xx emulation and Xterm extension.
- Both 7-Bit and 8-Bit modes.
- UTF8
- OCS and DCS
- ANSI colors
- Alternate screen buffer.
- Resize

Planned:

- Copy-paste support
- Scrollback buffer
- Mouse support
- And various optimizations.

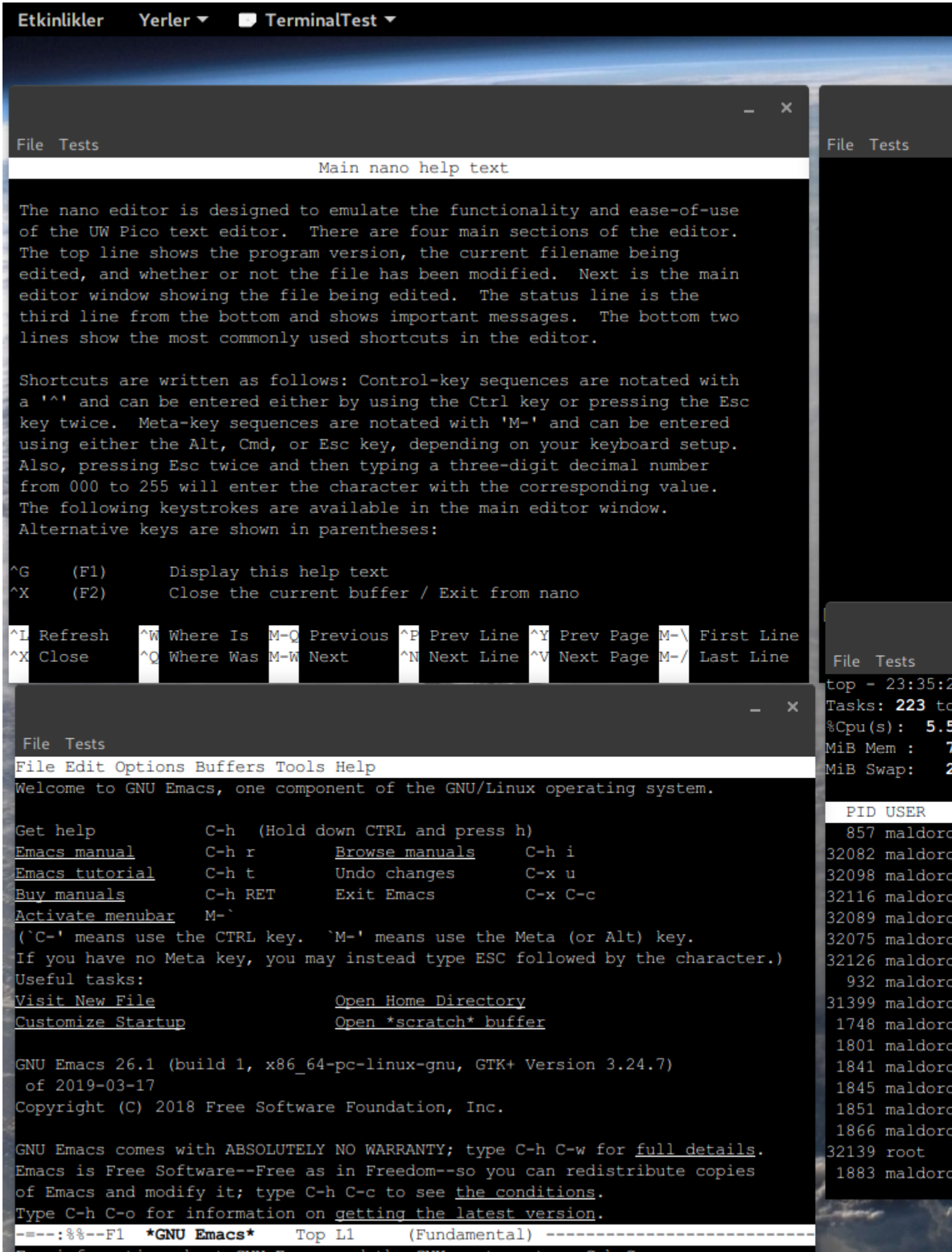
I will also publish two reference examples with it: a simple terminal emulator constructed with Terminal widget, and a remote terminal to demonstrate SSH integration.

A screenshot is much more meaningful than words.
(On a humble test setup (Linux 5.0/Gnone/relatively old test AMD machine. Top row: Nano editor, AnsiArt, Vttest. Bottom row: Emacs, Top, RadeonTop).

Best regards.
Oblivion

## File Attachments

1) Terminal Emulator.png, downloaded 3175 times


Etkinlikler
Yerler
TerminalTest
File Tests
Main nano help text
The nano editor is designed to emulate the functionality and ease-of-use
of the UW Pico text editor. There are four main sections of the editor.
The top line shows the program version, the current filename being
edited, and whether or not the file has been modified. Next is the main
editor window showing the file being edited. The status line is the
third line from the bottom and shows important messages. The bottom two
lines show the most commonly used shortcuts in the editor.
Shortcuts are written as follows: Control-key sequences are notated with
a '^' and can be entered either by using the Ctrl key or pressing the Esc
key twice. Meta-key sequences are notated with 'M-' and can be entered
using either the Alt, Cmd, or Esc key, depending on your keyboard setup.
Also, pressing Esc twice and then typing a three-digit decimal number
from 000 to 255 will enter the character with the corresponding value.
The following keystrokes are available in the main editor window.
Alternative keys are shown in parentheses:
^G (F1) Display this help text
^X (F2) Close the current buffer / Exit from nano
^L Refresh ^W Where Is M-Q Previous ^P Prev Line ^Y Prev Page M-\ First Line
^X Close ^Q Where Was M-W Next ^N Next Line ^V Next Page M-/ Last Line
File Tests
File Edit Options Buffers Tools Help
Welcome to GNU Emacs, one component of the GNU/Linux operating system.
Get help C-h (Hold down CTRL and press h)
Emacs manual C-h r Browse manuals C-h i
Emacs tutorial C-h t Undo changes C-x u
Buy manuals C-h RET Exit Emacs C-x C-c
Activate menubar M-`
(`C-' means use the CTRL key. `M-' means use the Meta (or Alt) key.
If you have no Meta key, you may instead type ESC followed by the character.)
Useful tasks:
Visit New File Open Home Directory
Customize Startup Open *scratch* buffer
GNU Emacs 26.1 (build 1, x86_64-pc-linux-gnu, GTK+ Version 3.24.7)
of 2019-03-17
Copyright (C) 2018 Free Software Foundation, Inc.
GNU Emacs comes with ABSOLUTELY NO WARRANTY; type C-h C-w for full details.
Emacs is Free Software--Free as in Freedom--so you can redistribute copies
of Emacs and modify it; type C-h C-c to see the conditions.
Type C-h C-o for information on getting the latest version.
-=--:%%--F1 *GNU Emacs* Top L1 (Fundamental)
File Tests
top - 23:35:2
Tasks: 223 to
%Cpu(s): 5.5
MiB Mem : 7
MiB Swap: 2
PID USER
857 maldoro
32082 maldoro
32098 maldoro
32116 maldoro
32089 maldoro
32075 maldoro
32126 maldoro
932 maldoro
31399 maldoro
1748 maldoro
1801 maldoro
1841 maldoro
1845 maldoro
1851 maldoro
1866 maldoro
32139 root
1883 maldoro