it-edit Documentation

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1 Motivation for writing it-edit

They are 2 sort of programmers in their habits of writing programs:

* They which use an IDE with full integrated functionalities.
* They which use an text editor to write their programs and a terminal to compile, debug or launch them and some other tools separately.

Because i'am an programmer from the second category and because i remark that i often use an additional other tools.

I decide to write my own text editor program which provide me all the functionalities that i need to get a development environment fully adapt to my requirement.

Which consist of a terminal integrated text-editor with which you can access all you require directly from the editor: documentation, GUI applications, ...

2 it-edit presentation

it-edit provide a text editor with `syntax highlight`, `line numbering` and with the basics text editing functionalities:

* Cut, Copy and Paste.
* Duplicate a line or the selected text.
* Undo/Redo functionalities.
* Search and replace functionalities.
* Jump to the given line number.
* Enable | Disable the use of tabs.

And an files managing interface for:

* Open a new empty file.
* Open the file you want.
* Open an recent file.
* Save the editor content.
* Save the editor content as the filename you want.
* Save all open files.
* Reload file.
* File informations.

it-edit provide **terminals in the same window as the editor**, as a sidebar, which can easily **shown**, **hidden** and **resized**.

You can **add** and **remove** as many terminals as you want to the sidebar...

it-edit provide a **big terminal** occupying the full interface, **dividable** into **4 resizable terminals**, to which you can **easy toggle** from the main window.

For executing commands like compilation, debugging, and so soon directly from the editor.

I intend to implement an `manpages reading interface`, in an **toplevel terminal window** (so it can be **resize**, **minimize**, **maximize** and **closed**),

> but i remark by implementing it that i restrict the command to execute the `man [section] page` command.

So i decide to provide the same functionality but without restricting it to the manpage displaying, to expand it to execute any command you want in an toplevel terminal.

It result in a functionality to execute a command in a toplevel terminal, which can be resize, minimize, maximize and close.

After the execution of the command the toplevel terminal is yours and can continue to enter commands...

I intend to implement launching of `registered offline HTML documentation` in a toplevel window,

> but i remark by implementing it that i restrict it to offline **HTML** pages.

So i decide to provide the same functionality with registering any file you like.

The registered files are launched with the default program for this filetype.

After registering the files, you can easy launch it and access them all directly from **it-edit**.

I want to launch necessary **GUI tools** directly from the editor.

So **it-edit** permit to register the application you want to get direct access to it from your editor.

Like: A **GUI** `diff tool`, A **GUI** `debugger`, a smart `python interpreter`, a `calculator`, a `color picker`, a `dictionary`, and so soon...

3 Files

You can start **it-edit** from the command line with a space delimited files list, as argument, which will be opened in the editor at start.

Or use the **it-edit** icon with your files-manager you can select files to open with **it-edit**.

To know for files managing:

+ **Open a new empty file** use the menu item, the button or the shortcut: **Ctrl + n**.

+ **Open a file** by selecting it with a file selector, use the menu item, the button or the shortcut: **Ctrl + o**.

+ You can **open a recent file** by selecting it in the list from the menu item.

+ **Save** the current editor content use the menu item, the button or the shortcut: **Ctrl + s**.

+ **Save all** open files use the menu item, the button or the shortcut: **Ctrl + Maj + S**.

+ **Reload file** will reload the last saved version from the file in the editor, use the menu item or the shortcut **Ctrl + R**.

+ **File informations** will display informations, which you can edit, about the current file, use the menu item or the shortcut **Ctrl + I**.

You can easily navigate into your open files by using the pop-up menu or by clicking on the file tab.

You can reorder your open files as wanted by drag and drop the files tabs.

4 Edition

To know about edition:

+ **Undo** use the contextual menu or the shortcut: **Ctrl + Z**.

+ **Redo** use the contextual menu or the shortcut: **Ctrl + Maj + Z**.

note: The menu items from *Undo* and *Redo* does not work well but the shortcuts and and the contextual menu yes.

+ **Cut** use the contextual menu, the menu item, the button or the shortcut: **Ctrl + X**.

+ **Copy** use the contextual menu, the menu item, the button or the shortcut: **Ctrl + C**.

+ **Paste** use the contextual menu, the menu item, the button or the shortcut: **Ctrl + V**.

+ **Duplicate** the selection or the line at cursor position, use the menu item, the button or the shortcut: **Ctrl + D**.

+ **Use space instead of tabs**: for switching between tab use or not, use the menu item or the shortcut: **Ctrl + P**.

5 Editor

Go to line number use the menu item, the button or the shortcut: **Ctrl + g**.

Enter an valid line number and press **Enter** or the **Apply** button to move the editor to the wanted line, which will be highlight.

Find and replace functionality.

You can *show | hide* the find and replace bar by using the toggle button.

The search and replace bar has following functionalities:

+ **Search** button: this will highlight all the matching occurrences from the search term and moving the editor to the first occurrence position.

+ **Next** button: highlight the next matching occurrence from the search term.

Pressing **Enter** when the search entry field has the focus has the same effect.

The search will start at selection or at the cursor position.

If you select some text with the mouse and using the shortcut **Ctrl + f**.

The search field will toggle on if not visible and will contains the selected text as search term.

note: You can use the shortcut **Ctrl + +** instead of the button (Use the keypad).

+ **Previous** button: highlight the previous matching occurrence from the search term.

The search will start at selection or at the cursor position.

If you select some text with the mouse and use the shortcut **Ctrl + f**.

The search field will toggle on if not visible and will contains the selected text as search term.

> note: You can use the shortcut
> **Ctrl + -** instead of the button
> (Use the keypad).

+ **Replace** button: replace the current matching oc-
  currence, which is highlight, with the content of
  the replace field.

> If this don't work simply hit
> the Next or Previous button,
> this occur if you never make a
> search before: a search must
> be done before replacing.

> note: You can use the shortcut
> **Ctrl + Enter** instead of the but-
> ton (Use the keypad).

+ **Replace all** button: replace all the matching oc-
  currence in the current file.

  note: You can use the shortcut **Ctrl + Maj + Enter**
  instead of the button (Use the keypad).

+ **Mode**: You can select how your search term(s)
  will be interpreted.
    + **Raw text**: all search terms matching.
    + **Word boundary**: The search term must be
      a complete word, not a part but an variable
      with separators like underscores or points will
      work too.
    + **Regular expression**: *Perl* compatible regular
      expression (REGEX).

+ **Close** button: hide the search and replace bar and
  clear the highlight.

note: if you select some text with the mouse and use the **Ctrl + f** shortcut.
  * The search and replace bar will be show.
  * The search field will be filled with your selection.
  * The search will begin at your selection position if you hit the **Next**
    or **Previous** button.

6 Actions

Command execution: use the menu item, the **Cmd** button or the shortcut:
Ctrl + e.

> This will display a little toplevel in which you can enter
> a command.
>
> Then press the **Enter** key or the **Apply** button to exe-
> cute the command in a terminal include in a toplevel
> window (so you can resize, minimize, maximize and
> close the window).
>
> After the execution from the command the toplevel
> terminal is yours so can continue to enter commands
> and use it.

Sidebar Terminals adding: You can add some terminals, 2 per item, to
the sidebar, reorder them, and remove it.

> Use the menu item or the shortcut **Ctrl + Maj + T**.

Big terminal(s) switch: You can switch between a very big terminal and
a very big terminal divided into 4 terminals.

> Use the menu item or the shortcut **Ctrl + Maj + B**.

File Handler: use the menu item or the shortcut: **Ctrl + H**.

> For using this features you must register files from the
> **Files handler manager** tab interface reachable through
> the settings->Configure program menu item.
>
> For registering a file you must give it a title which will
> appears as the button text in the **File Handler** window
> and selecting the corresponding file.
>
> Then when you press the button in the **File Handler**
> window, the file will be launched with the default ap-
> plication for this filetype.
>
> This features was thinking for fast access to offline
> HTML documentation but it's being expanded to any
> filetype, so you can consult pdf documentation too, but
> not only, this features can be use for any use you want.
>
> The registered files can be removed from the **File han-
> dler** list through the same interface with which you
> add it.

Application launcher: use the menu item or the shortcut: **Ctrl + A**.

> This will display an application chooser. By selecting
> an application you will launch it.

7 Applications

You can set different GUI tools launcher from **it-edit**:

Under the section **programming** you can set:

+ A **GUI** diff tool.
+ A **GUI** debugger.
+ A **GUI** smart python interpreter.
+ A user interface designer.
+ devhelp.

Under the **utilities** section you can set:

+ A **GUI** calculator.
+ A **GUI** color picker.
+ A **GUI** dictionary.
+ A file manager.
+ A **GUI** note taker.
+ A browser.

Else you can register the application you want under the **others** section.

This is very practice to launch an application directly from **it-edit** instead of:

1. Minimize **it-edit**
2. Go to the menu.
3. Find the application you want to launch.
4. Launch your application.

8 View

Big term *Show | hide*: use the menu item, the toggle button or the shortcut: **Ctrl + B**.

Terminals *show | hide*: use the menu item, the toggle button or the shortcut: **Ctrl + T**.

Button bar *show | hide*: use the menu item.

Fullscreen toggle: use the menu item.

9 Settings

Syntax highlight: use the menu item.

To set the syntax highlight on, on the current edited text from the supported language.

Editor schemes: use the menu item.

To set the appearance from the text editor.

Currently they are 13 different schemes available in **it-edit**:

+ build
+ Classic.
+ Cobalt.
+ emacs.
+ Kate (default).
+ matrix
+ Oblivion.
+ slate.
+ Solarized-dark.
+ Solarized-light.
+ Tango.
+ turbo.
+ vsdark.

Each time you change the scheme your choice is registered so that you don't have to change it every time you start **it-edit**.

Configure program: use the menu item.

To access to the program configuration window which is divide into 3 part:

Editor settings:

+ Font (Monospace 10 per default).
+ Display lines numbers (Enabled per default).
+ Display TABS characters (Enabled per default).
+ Use auto-indent (Enabled per default).
+ Indent width (2 per default).
+ Use spaces instead of TABS (Enabled per default).
+ TABS width (2 per default).
+ Create a backup file by saving (Enabled per default).

+ Remove trailing space at saving (Enabled per default).

Terminal settings:

+ Appearance:
    + Font (Monospace 11 per default).
    + Cursor shape (Block per default).
    + Background color (Black per default).
    + Foreground color (White per default).
    + Use an image as background (Enabled per default).
    + Use a personal texture (Disabled per default).
    + Use a texture as background (Disabled per default).
    + 20 textures available.
    + Use a personal background image (Disabled per default).
+ Settings:
    + User shell (Default to your default shell).
    + Start directory when you launch a terminal.
    + Select by word char (Default to: `-A-Za-z0-9,./?%&#:_=+@~`) .

        When the user double-clicks to start selection, the terminal will extend the selection on word boundaries.

        It will treat characters included in spec as parts of words, and all other characters as word separators.

        Ranges of characters can be specified by separating them with a hyphen.
    + Scroll back lines.
        + Unlimited (Default).
        + Settable to the value you want.
    + Scrolling.
        + Scroll on output (Disabled per default).

            Controls whether or not the terminal will forcibly scroll to the bottom of the terminal when the new data is received.
        + Scroll on keystroke (Enabled per default).

            Controls whether or not the terminal will forcibly scroll to the bottom of the terminal when the user presses a key.

+ Erase binding.

> + Backspace key binding (Default to automatic).

> + Delete key binding (Default to automatic).

File handler manager:

Here you can add and remove files for the **File handler** feature.

Applications:

Here you can define shortcuts for the applications you want.

Settings

+ Define the ratio main-interface and sidebar in form of a floating-point value between 0.0-1.0,

representing the surface the sidebar will cover and so the width of the sidebar terminals.

+ Show | hide the sidebar terminals at start.

+ Show | hide the big terminal at start.

+ Choosing to divide the big terminal in 4 at start.

+ Toggle to fullscreen at start.

+ Launch a command in the terminals at start.

+ Set it-edit as your default editor or reset the settings.

10 Shortcuts memo

```
+-------------------+--------------------+------------------+
|     Shortcut      |    functionality   |     Mnemonic     |
+===================+====================+==================+
| Ctrl + n          | New file           | n = new          |
+-------------------+--------------------+------------------+
| Ctrl + o          | Open file          | o = open         |
+-------------------+--------------------+------------------+
| Ctrl + s          | Save file          | s = save         |
+-------------------+--------------------+------------------+
| Ctrl + Maj + S    | Save all files     | S = Save         |
+-------------------+--------------------+------------------+
| Ctrl + r          | Reload file        | r = reload       |
+-------------------+--------------------+------------------+
| Ctrl + i          | File informations  | i = Informations |
+-------------------+--------------------+------------------+
| Ctrl + z          | Undo               | None             |
+-------------------+--------------------+------------------+
| Ctrl + Maj + Z    | Redo               | None             |
+-------------------+--------------------+------------------+
| Ctrl + f          | Search             | f = find         |
+-------------------+--------------------+------------------+
| Ctrl + Enter      | Replace            | none             |
+-------------------+--------------------+------------------+
| Ctrl + Maj + Enter | Replace all       | none             |
+-------------------+--------------------+------------------+
| Ctrl + +          | Next               | none             |
+-------------------+--------------------+------------------+
| Ctrl + -          | Previous           | none             |
+-------------------+--------------------+------------------+
| Ctrl + g          | Go to line number  | g = go to        |
+-------------------+--------------------+------------------+
| Ctrl + x          | Cut                | None             |
+-------------------+--------------------+------------------+
| Ctrl + c          | Copy               | c = copy         |
+-------------------+--------------------+------------------+
| Ctrl + v          | Paste              | None             |
+-------------------+--------------------+------------------+
| Ctrl + d          | Duplicate text     | d = duplicate    |
+-------------------+--------------------+------------------+
| Ctrl + p          | Use tabs           | none             |
+-------------------+--------------------+------------------+
| Ctrl + e          | Execute command    | e = execute      |
+-------------------+--------------------+------------------+
| Ctrl + b          | Show|Hide big term | b = big term     |
+-------------------+--------------------+------------------+
```

```
| Ctrl + Maj + B    | big term switch    | B = Big term    |
+------------------+--------------------+-----------------+
| Ctrl + t         | Show | Hide terminal | t = terminal    |
+------------------+--------------------+-----------------+
| Ctrl + Maj + T    | Add new terminals  | T = Terminals   |
+------------------+--------------------+-----------------+
| Maj + Copy       | Copy from terminal | none            |
+------------------+--------------------+-----------------+
| Maj + Insert     | Paste to terminal  | none            |
+------------------+--------------------+-----------------+
| Ctrl + h         | File handler       | h = handler     |
+------------------+--------------------+-----------------+
| Ctrl + a         | Application launcher | a = application |
+------------------+--------------------+-----------------+
| Ctrl + q         | Quit application   | q = quit        |
+------------------+--------------------+-----------------+
```

11 Supported languages

ActionScript

> text/x-actionscript.
>> + *.as

Ada:

> text/x-ada, text/x-adasrc.
>> + *.adb
>> + *.ads

ASP:

> text/x-asp, application/x-asp, application/x-asap.
>> + *.asp

Automake:

>> + Makefile.am
>> + GNUmakefile.am

awk:

> application/x-awk.
>> + *.awk

BennuGD:

>> + *.prg

BibTeX:

> text/x-bibtex.
>> + *.bib

Bluespec SystemVerilog:

>> + *.bsv

Boo:

> text/x-boo.
>> + *.boo

C:

> text/x-c, text/x-csrc, image/x-xpixmap.
>> + *.c

C#:

> text/x-csharpsrc, text/x-csharp.
>> + *.cs

C++:

> text/x-c++, text/x-cpp, text/x-c++src.
>> + *.cpp

+ *.cxx

+ *.cc

+ *.C

+ *.c++

C/C++/ObjC Header:

text/x-chdr, text/x-c++hdr.

+ *.hh

+ *.hp

+ *.hpp

+ *.h++

+ *.h

CG Shader Language:

+ *.cg

ChangeLog:

text/x-changelog.

+ ChangeLog*

CMake:

+ CMakeLists.txt

+ *.cmake

+ *.cmake.in

+ *.ctest

+ *.ctest.in

Cobol:

+ *.cbl

+ *.cob

CSS:

text/css.

+ *.css

+ *.CSSL

CUDA:

+ *.cu

+ *.cuh

D:

text/x-dsrc.

+ *.d

.desktop:

application/x-gnome-app-info, application/x-desktop.

+ *.desktop

+ *.kdelnk

Diff:

text/x-diff, text/x-patch.

+ *.diff

+ *.patch

DocBook:

application/docbook+xml.

+ *.docbook

DOS Batch:

+ *.bat

+ *.cmd

+ *.sys

DPatch:

text/x-dpatch.

+ *.dpatch

DTD:

text/x-dtd.

+ *.dtd

Eiffel:

text/x-eiffel.

+ *.e

+ *.eif

Erlang:

text/x-erlang.

+ *.erl

+ *.hrl

F#:

text/x-fsharp.

+ *.fs

FCL:

+ *.fcl

Forth:

text/x-forth.

+ *.frt

+ *.fs

Fortran 95:

> text/x-fortran.
>
>   + *.f
>   + *.f90
>   + *.f95
>   + *.for

GAP:

> text/x-gap.
>
>   + *.g
>   + *.gd
>   + *.gi
>   + *.gap

GDB Log:

>   + *.gdb

gettext translation:

> text/x-po,   text/x-pot,   text/x-pox,   text/x-gettext-translation,
> text/x-gettext-translation-template.
>
>   + *.po
>   + *.pot

Go:

>   + *.go

Graphviz Dot:

> text/vnd.graphviz.
>
>   + *.dot
>   + *.gv

GtkRC:

> text/x-gtkrc.
>
>   + gtkrc
>   + .gtkrc
>   + gtkrc-*
>   + .gtkrc-*

Haskell:

> text/x-haskell.
>
>   + *.hs

HTML:

> text/html.
>
>   + *.html

+ *.htm

IDL:

    text/x-idl.
+ *.idl

IDL-Exelis:

+ *.pro

ImageJ:

+ *.ijm

.ini:

    text/x-ini-file, application/x-ini-file.
+ *.ini

J:

+ *.ijs

Java:

    text/x-java.
+ *.java

JavaScript:

    application/javascript, application/x-javascript, text/x-javascript, text/javascript, text/x-js.
+ *.js
+ *.node

JSON:

+ *.json

Julia:

+ *.jl

LaTeX:

    text/x-tex.
+ *.tex
+ *.ltx
+ *.sty
+ *.cls
+ *.dtx
+ *.ins
+ *.bbl

libtool:

    text/x-libtool.
+ *.la

+ *.lai

+ *.lo

Literate Haskell:

text/x-literate-haskell.

+ *.lhs

Lua:

text/x-lua.

+ *.lua

m4:

application/x-m4.

+ *.m4

+ configure.ac

+ configure.in

Makefile:

text/x-makefile.

+ [Mm]akefile

+ GNUmakefile

+ *.make

+ *.mak

+ *.mk

Mallard:

+ *.page

Markdown:

text/x-markdown.

+ *.markdown

+ *.md

+ *.mkd

Matlab:

text/x-octave, text/x-matlab.

+ *.m

Modelica:

text/x-modelica.

+ *.mo

+ *.mop

MXML:

+ *.mxml

Nemerle:

    text/x-nemerle.

     + *.n

NetRexx:

    text/x-netrexx.

     + *.nrx

NSIS:

     + *.nsi

     + *.nsh

Objective-C:

    text/x-objcsrc.

     + *.m

Objective-J:

    text/x-objective-j.

     + *.j

OCaml:

    text/x-ocaml.

     + *.ml

     + *.mli

     + *.mll

     + *.mly

OCL:

    text/x-ocl.

     + *.ocl

Octave:

    text/x-octave, text/x-matlab.

     + *.m

OOC:

     + *.ooc

Opal:

     + *.sign

     + *.impl

OpenCL:

     + *.cl

OpenGL Shading Language:

     + *.glslv

+ *.glslf

Pascal:

text/x-pascal,

+ *.p
+ *.pas

Perl:

text/x-perl, application/x-perl.

+ *.pl
+ *.pm
+ *.al
+ *.perl
+ *.t

PHP:

text/x-php, application/x-php, text/x-php-source, application/x-php-source.

+ *.php
+ *.php3
+ *.php4
+ *.phtml

pkg-config:

text/x-pkg-config.

+ *.pc

Prolog:

text/x-prolog.

+ *.prolog

Protobuf:

text/x-protobuf.

+ *.proto

Puppet:

+ *.pp

Python:

text/x-python, application/x-python.

+ *.py

Python 3:

+ *.py3

R:

text/x-R.

+ *.R

+ *.Rout

+ *.r

+ *.Rhistory

+ *.Rt

+ *.Rout.save

+ *.Rout.fail

RPM spec:

text/x-rpm-spec.

+ *.spec

Ruby:

application/x-ruby, text/x-ruby.

+ *.rb

+ *.rake

+ Rakefile

+ Capfile

+ Gemfile

Scala:

text/x-scala.

+ *.scala

Scheme:

text/x-scheme.

+ *.scm

Scilab:

+ *.sce

+ *.sci

sh:

text/x-shellscript, application/x-shellscript, text/x-sh.

+ *.sh

SPARQL:

application/sparql-query.

+ *.rq

SQL:

text/x-sql.

+ *.sql

Standard ML:

+ *.sml

+ *.sig

SystemVerilog:

+ *.sv

+ *.svh

Tcl:

text/x-tcl, application/x-tcl.

+ *.tcl

+ *.tk

Texinfo:

text/x-texinfo.

+ *.texi

+ *.texinfo

txt2tags:

+ *.t2t

Vala:

text/x-vala.

+ *.vala

+ *.vapi

VB.NET:

text/x-vbnet, text/x-vb.

+ *.vb

Verilog:

text/x-verilog-src.

+ *.v

VHDL:

text/x-vhdl.

+ *.vhd

XML:

application/xml, text/xml.

+ *.xml

+ *.xspf

+ *.siv

+ *.smil

+ *.smi

+ *.sml

+ *.kino

+ *.xul

- + *.xbel
- + *.abw
- + *.zabw
- + *.glade
- + *.jnlp
- + *.xhtml
- + *.svg
- + *.mml
- + *.rdf
- + *.rss
- + *.wml
- + *.xmi
- + *.fo
- + *.xslfo

XSLT:

application/xslt+xml.

- + *.xslt
- + *.xsl

Yacc:

text/x-yacc, text/x-bison.

- + *.y
- + *.yacc

12 Credits

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version: 2.0

website: www.open-source-projects.net/IT-Edit/IT-Edit_presentation.html

Thank's to my beloved mother, my family and to the doctors.

Stay away from drugs: drugs destroy your brain and your life.