The Free Software Association of Germany

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GREAT Technical Information

The GREAT environment

a) Drag and Drop

The *GREAT* applications are using COMPOUND TEXT on drag'n drop information interchange only. However, the information has to be in a specific format:

Single file interchange:

GR_RDD‘PID‘FILE‘PATH

GR_RDD	Keyfield - do not change
PID	Pid of calling process
FILE	Filename without path
PATH	Directorypath for the given file without filename

Notice: The marker between the fields is an apostrophe with top on left side

Multiple file interchange:

GR_RDD‘PID‘FILE1‘FILE2‘FILE3’PATH

GR_RDD	Keyfield - do not change
PID	Pid of calling process
FILE1	Filename of first file without path
FILE2	Filename of second file without path
PATH	Directorypath for all files without filenames

Notice: The marker between the fields is an apostrophe with top on left side

b) Basic file i/o

All file i/o should support *GREATcomm* networking. See "ghelp libgnet" for details.

c) Ghelp helpfile format:

All GREAThelp files should be placed in /usr/GREAT/help. You may create subdirectories as needed.

Toplines:

Index:gfm.hlp*GREAT Master Help*1
Title:The Free Software Association of Germany
Fontfile:bandh.gfn

Index:	Name of indexfile to use (in /usr/GREAT/help)
Title:	Title to display on frame
Fontfile:	Fonts to use

Define the fonts:

\1	: Use font 1
\2	: Use font 2
\3	: Use font 3

The fonts are defined in the fontfile declaration on top of the document. The fontfile itself must be found in **/usr/GREAT/help/fonts**. It should look like this:

```
-*-*-medium-r-*-*-12-*-*-*-*-*-*-*
-*-*-bold-r-*-*-12-*-*-*-*-*-*-*
-*-*-medium-i-*-*-12-*-*-*-*-*-*-*
-b&h-*-medium-r-*-*-12-*-*-*-*-*-*-*
-b&h-*-bold-r-*-*-12-*-*-*-*-*-*-*
-b&h-*-medium-i-*-*-12-*-*-*-*-*-*-*
-b&h-*-medium-r-*-*-18-*-*-*-*-*-*-*
-b&h-*-bold-r-*-*-18-*-*-*-*-*-*-*
-b&h-*-medium-i-*-*-18-*-*-*-*-*-*-*
```

The first 3 lines are :

Font1: Normal
Font1: Bold
Font1: Italic

The next 3 lines are describing font2 and font3 the same way.

Define the text attributes:

\B : Bold
\I : Italic
\U : Underscore
\N : All attributes off

Define the anchors:

\Aname.hlp[anchor-text]
This will create an anchor to file *name.hlp* and display the text *anchor-text*

Anchor files may be located in any of the **/usr/GREAT/help** subdirectories.

Including external file formats:

Nroff:

\Aman:ls[the ls command]

HTML:

\Ahtml:http://www.foo.com/[This is a HTML page]

Displaying pictures

\Afsag.xpm[{+80}PIC]
This will display the picture fsag.xpm 80 pixels moved left

Pictures may be located in any of the **/usr/GREAT/help** subdirectories. They may be compressed using **compress**.

Including sounds:

\Ahallo.au[{+0}AUDIO]
This will display the sound-icon and prepare the soundfile hallo.au

Sounds may be located in any of the **/usr/GREAT/help** subdirectories.

Indexing:

\XThis is an index

You may insert this entry to the indexfile /usr/GREAT/index.hlp. This file should look like th this way:
xxxxxx|yyyyyyyyyy|zzz
fsag.hlp|About the free software association|0

x:	fsag.hlp	: Name of help file
y:	About...	: Index description
z:	0	: Jump to index no z in specified helpfile

d) Support programs

/usr/GREAT/bin/Answer:

Display a text-input box and send the typed-in message to stdout.

All buttons and titles are definable via the commandline. See Answer -? for details.

Example:

Answer -title DemoInput -cno -hno -ostr "GO!"

Displays an input window without cancel- and helpbutton. The title of the window is DemoInput and the okbutton has the string "GO!" on it.

/usr/GREAT/bin/quest

Displays a text window and requests an user action. All buttons, titles, symbols are definable. See quest -? for details.

Example:

quest -msg_t 4 -msg "System will boot now" -cno -hno

Displays a window with the specified text, a warning symbol (msg_t = 4) and without cancel- and helpbutton.

e) Porting the GREAT to other platforms

GREAT is currently under development for the following operating systems:

o HP/UX
o System V Release 4.x
o SunOS
o Solaris
o Linux

The FSAG development department in Frankfurt/Germany is responsible for all porting issues. Contact Klaus Koch (klako@elara.fsag.de) for details.

f) New GREAT developments

We are currently working on the development of a MIME compliant Mail/News Frontend with integrated Drag'n Drop functions, IMAP specifications and a lot more. A calendar and appointment reminder will also be available with future versions of GREAT.

g) Copyright and GREAT sources

GREAT's sourcecodes are currently not available for individuals. However, we might provide access to the sourcecodes upon request. This depends on the specific case.

GREAT has been programmed by Rüdiger and Michaela Merz. No other people have been involved in the development of GREAT. GREAT is copyrighted by the Free Software Association of Germany and by the Comp-TO-Comp GMBH Frankfurt.