NAME

xwafedesign – a design tool for wafe applications

SYNOPSIS

xwafedesign [**-c** *colormode*] [**-3**]

DESCRIPTION

xwafedesign is an interactive design tool for *wafe* applications (see manual page wafeapp) written in Perl. In short, xwafedesign allows a user to develop wafe applications in tcl or Perl interactively. The user can select widgets from a list and insert it into the widget tree of an application. Resources can be set interactively, widget (sub)trees can be inserted, duplicated of deleted, and an according tcl or perl program can be created.

OPTIONS

In addition to the standard toolkit options such as -display, -name, -geometry, -iconic, -xrm etc. (see manual page X) xwafedesign accepts the following options:

-c *colormode*	start xwafedesign using the given color-mode (for details see manual page wafeapp); color modes are for example *mono*, *blueish* or *wheat-ish*.
-3	do not use 3 dimensional widgets. This option depends of the configuration in the system.waferc file (see manual page wafeapp).

LAYOUT and INTERACTION

When xwafedesign is started two window shells will pop up: the *xwafedesign window* and the *preview window*. On the left hand side of the xwafedesign window a list of widgets is presented, which depends on the version of X Window (R4 or R5) and the packages compiled into Wafe (eg. the plotter widget set). When a button of this list is pressed the corresponding widget will be created and inserted into the widget tree displayed at the right half of the xwafedesign window. The widget insert rules will be described below. We will assume the user pressed the label button to create a label widget as son of form1. The newly created label label1 will be displayed in the preview window as well.

A widget can be selected or unselected. A selected widget is displayed inverted in the widget tree. A widget can be selected either by pressing the left mouse button <Btn1> on the widget name in the widget tree or by pressing shift<Btn3> in the widget in the preview window.

When one ore more widgets are selected the user set-able resource names are displayed in the middle part of the xwafedesign window. If more than one widget was selected the intersection of the resource names is presented. When the left mouse button is pressed on a resource name (eg. background) a dialog pops up where a new value of the resource can be entered. Note, that also Perl-variables from the wafe configuration can be used here. If for instance "$backGround" is inserted the background color of an application created by xwafedesign will inherit the color of the -C option. Other useful Perl variables to be entered in such dialog boxes are fontnames such as "$boldFont" or the value of shadowWith "$threeD" (if wafe was compiled with the libXaw3d).

The insertion rule for widgets is defined as follows: If the widget to be inserted can be child of a selected widget, the last selected widget will be used as father. This is particulary easy, if only one widget is selected. If no widget is selected, the fist created widget suitable as parent widget will be chosen. This will be typically the top form widget.

Children widgets of the form widget can be moved by pressing shift<Btn1> in the preview window and moving with the mouse while holding the shift and mouse button pressed. However, to obtain more flexible layouts when resources like fonts are changed it is recommended to use fromHoriz and fromVert instead.

The buttons *Duplicate* and *Delete* in the preview windows can be used to duplicate or delete the current selected widgets. If a composite widget is selected the operation is performed on the complete widget tree under the widget.

If the *Generate* button in the xwafedesign window is pressed another window pops up which shows a program corresponding to the application displayed in the preview window. The user can switch between *Tcl* and *Perl* as the output language. If *Tcl* is used, the perl variables specified as resource values are resolved.

The *Load* button of the xwafedesign window can be used to edit or to incorporate programs developed with xwafedesign. The user has the options (a) to insert a complete widget tree into the current application (button *Insert*), (b) to insert the widget tree without the top level widget (to avoid unnecessary deep nestings of form widgets) or (c) to load a new application (button *Load new*). When widgets are inserted the insert rules of above apply. *Load new* deletes all children of the top form widget and inserts the named file without top widget.

Note that xwafedesign tries to preserve the user code of applications developed with xwafedesign. A user can design the interface of an application using xwafedesign, use his favorite editor to insert the application semantics to the created file and modify the program at a later time using xwafedesign. The user is encouraged not to touch the generated code between "### BEGIN wafedesign" and "### END wafedesign".

KEY BINDINGS

Key bindings in xwafedesign window:

<Btn1>	in widget list: create a widget, in widget tree: select/unselect a widget
<Key>d	in widget tree display: duplicate selected widgets
<Key>r	in widget tree display: remove (delete) selected widgets

Key bindings in preview window:

shift<Btn1>	move a widget
shift<Btn3>	select/unselect a widget

ENVIRONMENT VARIABLES

WAFELIB	location of the wafe library (typically /usr/lib/X11/wafe)

PERL VARIABLES

Wafe (Perl-) Variables from $WAFELIB/system.waferc or $HOME/.waferc:

$boldFont	typically used for bold labels

$normalFont	typically used for labels or proportional text
$buttonFont	typically used as font for buttons
$textFont	fixed spaced text font
$buttonAtts	attributes used for buttons
$backGround	back ground color
$highLight	attributes for emphasized text portions (typically colors)
$infoColors	attributes of the info line (typically colors)
$menueAtts	attributes of pull down menues (typically colors)
@textActions	default actions for text widgets

FILES

```
$WAFELIB/system.waferc
$HOME/.waferc
```

SEE ALSO

wafe(n), wafeapp(n), X(1), xwafemail(n), xwafenews(n), xwafeftp(n), xwafeora(n), xwafetel(n), xdirtree(n), xdirtree(n), xprojektor(n), xbm(n), xwafemc(n), xruptimes(n), xnetstats(n), xiostats(n), xvmstats(n), xwafeping(n), xwafecf(n)

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