NAME

menu_driver – command processor for the menus subsystem

SYNOPSIS

cc [*flag* . . .] *file* . . . –**lmenu -lcurses** [*library* . .]

#include <menu.h>

int menu_driver(MENU ∗*menu*, **int** *c*);

MT-LEVEL

Unsafe

DESCRIPTION

menu_driver( ) is the workhorse of the **menus** subsystem. It checks to determine whether the character *c* is a menu request or data. If *c* is a request, the menu driver executes the request and reports the result. If *c* is data (a printable ASCII character), it enters the data into the pattern buffer and tries to find a matching item. If no match is found, the menu driver deletes the character from the pattern buffer and returns **E_NO_MATCH**. If the character is not recognized, the menu driver assumes it is an application-defined command and returns **E_UNKNOWN_COMMAND**.

Menu driver requests:

REQ_LEFT_ITEM	Move left to an item.
REQ_RIGHT_ITEM	Move right to an item.
REQ_UP_ITEM	Move up to an item.
REQ_DOWN_ITEM	Move down to an item.
REQ_SCR_ULINE	Scroll up a line.
REQ_SCR_DLINE	Scroll down a line.
REQ_SCR_DPAGE	Scroll up a page.
REQ_SCR_UPAGE	Scroll down a page.
REQ_FIRST_ITEM	Move to the first item.
REQ_LAST_ITEM	Move to the last item.
REQ_NEXT_ITEM	Move to the next item.
REQ_PREV_ITEM	Move to the previous item.
REQ_TOGGLE_ITEM	Select/de-select an item.
REQ_CLEAR_PATTERN	Clear the menu pattern buffer.
REQ_BACK_PATTERN	Delete the previous character from pattern buffer.
REQ_NEXT_MATCH	Move the next matching item.
REQ_PREV_MATCH	Move to the previous matching item.

RETURN VALUES

menu_driver( ) returns one of the following:

E_OK	The routine returned successfully.
E_SYSTEM_ERROR	System error.
E_BAD_ARGUMENT	An incorrect argument was passed to the routine.
E_BAD_STATE	The routine was called from an initialization or termination

	function.
E_NOT_POSTED	The menu has not been posted.
E_UNKNOWN_COMMAND	An unknown request was passed to the menu driver.
E_NO_MATCH	The character failed to match.
E_NOT_SELECTABLE	The item cannot be selected.
E_REQUEST_DENIED	The menu driver could not process the request.

SEE ALSO

curses(3X), **menus**(3X)

NOTES

Application defined commands should be defined relative to (greater than) **MAX_COMMAND**, the maximum value of a request listed above.

The header **<menu.h>** automatically includes the headers **<eti.h>** and **<curses.h>**.