

bookz_lib (v1)



Overview

bookz_lib contains functions for reading bookz (e.g., from the file system) and for displaying them to the user (e.g., to a terminal).

Global Variables

bookz_lib contains a single global variable (i.e., variable with file scope and external linkage) named bookz_lines_read that contains (at all times) the number of lines that have been displayed thus far.

Specifications

bookz_lib must contain the following functions with *internal linkage*.

```
/**
 * Get the next "line" in a bookz.
 *
 * @param fdin    The file descriptor to get the "line" from
 * @param buffer  The buffer that will hold the result
 * @return        The size of the line (or -1 on error)
 */
static ssize_t
get_line(int fdin, char *buffer)
```

```
/**
 * Display the next "line" in a bookz.
 *
 * @param fdin    The file descriptor to get the "line" from
 * @param fdout   The file descriptor for the output
 * @return        The size of the line (or -1 on error)
 */
static ssize_t
display_line(int fdin, int fdout)
```

bookz_lib must contain the following functions with *external linkage*.

```
/**
 * Display all of the "lines" in a bookz (and updates bookz_lines_read).
 *
 * @param fdin    The file descriptor to get the "line" from
 * @param fdout   The file descriptor for the output
 */
void
display_all(int fdin, int fdout)
```