splint user.c -I ../inc

Splint 3.1.2 --- 21 Feb 2021

user.c: (in function create\_user)

user.c:8:19: Function calloc expects arg 1 to be size\_t gets int: n

To allow arbitrary integral types to match any integral type, use

+matchanyintegral.

user.c:23:27: Index of possibly null pointer u: u

A possibly null pointer is dereferenced. Value is either the result of a

function which may return null (in which case, code should check it is not

null), or a global, parameter or structure field declared with the null

qualifier. (Use -nullderef to inhibit warning)

user.c:8:5: Storage u may become null

user.c:54:2: Fresh storage u not released before return

A memory leak has been detected. Storage allocated locally is not released

before the last reference to it is lost. (Use -mustfreefresh to inhibit

warning)

user.c:8:3: Fresh storage u created

user.c: (in function read\_user)

user.c:82:6: Return value (type int) ignored: fclose(fp)

Result returned by function call is not used. If this is intended, can cast

result to (void) to eliminate message. (Use -retvalint to inhibit warning)

user.c: (in function search\_user)

user.c:107:17: Operand of ! is non-boolean (int): !feof(fp)

The operand of a boolean operator is not a boolean. Use +ptrnegate to allow !

to be used on pointers. (Use -boolops to inhibit warning)

user.c:112:6: Test expression for if not boolean, type int: ferror(fp)

Test expression type is not boolean or int. (Use -predboolint to inhibit

warning)

user.c:117:10: Operand of ! is non-boolean (int): !feof(fp)

user.c:125:10: Value us[] used before definition

An rvalue is used that may not be initialized to a value on some execution

path. (Use -usedef to inhibit warning)

user.c: (in function delete\_user)

user.c:169:17: Operand of ! is non-boolean (int): !feof(fp)

user.c:174:6: Test expression for if not boolean, type int: ferror(fp)

user.c:179:10: Operand of ! is non-boolean (int): !feof(fp)

user.c:184:10: Value us[] used before definition

user.c:195:35: Value us[] used before definition

user.c:195:35: Passed storage us[].user\_id not completely defined (us[].user\_id

is undefined): fprintf (..., us[i].user\_id, ...)

Storage derivable from a parameter, return value or global is not defined.

Use /\*@out@\*/ to denote passed or returned storage which need not be defined.

(Use -compdef to inhibit warning)

user.c:195:50: Passed storage us[].user\_name not completely defined

(\*(us[].user\_name) is undefined): fprintf (..., us[i].user\_name)

user.c:195:50: Value \*(us[].user\_name) used before definition

user.c:195:66: Passed storage us[].designation not completely defined

(\*(us[].designation) is undefined): fprintf (..., us[i].designation, ...)

user.c:195:66: Value \*(us[].designation) used before definition

user.c: (in function update\_user)

user.c:246:17: Operand of ! is non-boolean (int): !feof(fp)

user.c:251:6: Test expression for if not boolean, type int: ferror(fp)

user.c:256:10: Operand of ! is non-boolean (int): !feof(fp)

user.c:261:10: Value us[] used before definition

user.c:271:35: Value us[] used before definition

user.c:271:35: Passed storage us[].user\_id not completely defined (us[].user\_id

is undefined): fprintf (..., us[i].user\_id, ...)

user.c:271:50: Passed storage us[].user\_name not completely defined

(\*(us[].user\_name) is undefined): fprintf (..., us[i].user\_name)

user.c:271:50: Value \*(us[].user\_name) used before definition

user.c:271:66: Passed storage us[].designation not completely defined

(\*(us[].designation) is undefined): fprintf (..., us[i].designation, ...)

user.c:271:66: Value \*(us[].designation) used before definition

Finished checking --- 28 code warnings