## Project 1 Code Quality Summary - See marked-up code for specifics.

Student:	AG	score:
General code quality	$\mathbf{AG}$	bonus:
Function definitions have appropriate comments.		
Code within functions has appropriate comments.		
Function prototypes first, functions in readable order.		
Main function or primary subfunction is compact and conceptually simple.		
Code is not duplicated excessively.		
Program has well-chosen subfunctions to organize the code.		
Program has no problems with "Swiss Army" functions.		
Program lacks redundant, convoluted, or awkward code.		
Code is clear and easy to read: not obscure, verbose, or excessively nested.		
Good variable/symbol naming and usage.		
Program appears to be free of egregious inefficiency.		
Good choice of functions in utility module (e.g. a string allocator/deallocator).		
Standard Library facilities used appropriately (no recoding of wheels).		
assert macro used to clarify code and help detect programming errors.		
Program provides single points of maintenance for program parameters.		
C used idiomatically, following K&R and lectures.		
(can be negative) Code follows guidance on other matters in C Coding Standards and of	course	material.
Specific code quality - following specified and recommended practice code structure and safety practices  Command handling uses a switch statement that calls command-specific functions.  File input reading loops are correctly structured.  Files closed shortly after last input or output operation.  Input of strings disallows overrun of array.  #define used to avoid "magic" numbers and strings embedded in code.  Global variables are only read in p1_main.c, modified in responsible modules/function		ly.
memory management	,.	1
Container, Record, Collection memory allocated and deallocated in each module's fund.		=
String memory allocated and deallocated, and global variable maintained in separate f Memory for strings allocated to fit the data (strlen + 1).	uncuc	ons (e.g. in Ounty).
No unnecessary memory allocations (e.g. for temporary buffers - local arrays used inst	(bac	
Return value from malloc checked and program terminated if failed.	cau).	
Program appears to free all allocated memory (no leaks, even at termination).		
headers and linkage		
C Header file guidelines followed (e.g. no unneeded #includes in .h files).		
Internal linkage specified for "helper" functions, or not needed.		
Global variables declared (only) as extern in p1_globals.h; defined in .c; .h declaration	ıs 1150	d throughout
Other problems	.s use	a anougnout.
(0 or negative) Program has additional problems:		
(0 of hogaino) i logium nuo udditionai problems.		