COMP 272 Assignment One Reflection

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Note: All source files can be compiled with their makefiles which use gcc with the -Wall and -std=c99 flags.

I have not programmed in C in the past little while, so to start off I was encountering many errors with regards to memory usage and pointers. Once I started to get used to C programming again and with a little bit of help from Eclipse’s debugger these errors went away. Eclipse started giving me issues part way through the assignment, so I switched to a Linux terminal, and started to run into more errors with memory management that was not occurring while using Eclipse. I solved these along with errors in my reverse doubly linked list code using print statements to debug. I’m not familiar with any unit testing in C, so I tested the programs with a mix of user input and hard coded inputs, while making sure to test edge cases. I do not believe I have any unused local parameters or wasteful string buffers, and I tried to use C’s conditional operator in place of simple if-else statements.