

CIS*2750
Assignment 0
Deadline: Thursday, September 19, 9:00am
Weight: 2%

Description

For this assignment you must create a shared library for the doubly-linked list API that has been provided for you. You have been provided with all necessary source code. The purpose of this "assignment" (in scope, it's just a lab, and should take less than an hour to complete) is to get you familiar with creating shared libraries, and using them with an automated test harness executable - which is how your A1 and A2 will be graded.

Do not modify the code or the header in any way. Simply write a Makefile that will produce a shared library file called `liblist.so` and place it in the `bin/` directory.

To make sure that your library was created correctly, run the executable `ListTest` in the same directory. You should see a long list of test cases. The executable was compiled on the SoCS Linux server, so that's where you must run it. Needless to say, the library must be compiled there as well.

Make sure that your `LD_LIBRARY_PATH` variable is configured correctly, as discussed at the end of Lecture 1b: `export LD_LIBRARY_PATH=$LD_LIBRARY_PATH:.`

Evaluation

Your code must compile and run with the specified executable. We will grade it by compiling your code to create the shared library, and running `ListTest`. Make sure your makefile places `liblist.so` into `bin/`

The grading scheme is simple (and binary):

- If your library runs with the executable, you get 100%.
- If your library fails to run with the executable, you get a 0.
- If your library fails to compile, you get a 0.

Make sure you compile and run your code in the lab or on the **`linux.socs.uoguelph.ca`** server.

Submission

Submit your source code in the specified structure

Late submissions: see course outline for late submission policies.

This assignment is individual work and is subject to the University Academic Misconduct Policy. See course outline for details.