

CS 4320 homework #4

Due: Nov 22, end of day

Create a fuzzer to fuzz the attached listDriver program

- build the listDriver code by compiling listDriver.cpp, ItemType.cpp, unsorted.cpp together
- Your fuzzer will generate the input file, which should be a random list of valid commands for the code
 - Note that some commands take an integer argument, while others do not take an argument. For this assignment, supply the argument when appropriate – the goal is to break the UnsortedType code. (We don't really need a fuzzer to do this, but it makes it easier to see what we want our fuzzer to do.)
- You need to find 3 errors. You may find it convenient to modify your fuzzer to avoid generating a command if you already figured out an error with it. For each error:
 - save the input file that generated the error, document what showed the error (the exit code, for example), and explain what in the source code triggered that.

Zip together your fuzzer (.py) file, the 3 input files and a write-up summarizing the errors and their causes

Grading

50% the fuzzer working – do include at the top of your file which operating system you are running

30% the 3 input files and write-up

10% for meaningful naming of variables, functions, classes

10% for comments: there should be at least one comment for each method and class