

Lessons Learned

I'm more familiar with Java now. I now know how to create and manipulate text areas better within my GUI. I also feel more confident creating generic classes and understand their uses better. I'm now more familiar with file I/O within Java. I also feel confident using try catch clauses and extending the exception class.

BuildGraph

CycleDetectedException

GUI

FileNotFoundException

Test Plan

We will use this file structure for input.

ClassA ClassB ClassC

ClassC ClassE ClassG

ClassB ClassB

Test 1:

Wrong filename -> FileNotFoundException

This tests for a wrong filename or a nonexistent file that is input into the textfield.

Test 2:

ClassA -> CycleDetectedException

This tests for input with a cycle.

Test 3:

ClassC -> ClassC ClassG ClassE

This tests for normal input without cycles.

Test 4:

ClassT -> ClassNotFoundException

This tests for when the users enters an invalid class name.