

WEEK 8 TEST STUDY GUIDE

GODFREY MUGANDA

In addition to the concepts on previous study guides, make sure you understand the following concepts:

Inheritance, class extension, superclass, subclasses, the relationship between superclasses and subclasses; the fact that every subclass object is also a superclass object; method overriding.

This test will contain more questions that require you to write code. Make sure you understand all concepts on labs through 7-1 for the MWF section, and through Lab 6-2 for the MW evening section.

Specifically, you need to know how to build Graphical User Interfaces, write listener classes that implement the `ActionListener` interface. You need to be able to determine which user interface components a listener needs access to, and pass those values through constructor parameters. You should be able to use action command strings to help a listener distinguish between different event sources.

You should know how to use `FlowLayout`, `GridLayout`, and `BorderLayout`.

You should know how to use the scanner to read different types of values using `next()`, `nextInt()`, and `nextLine()`. You should know how to use the `Integer.parseInt()` and the `String.valueOf()` methods.

You should understand how to write methods and call them in your code, and you should be able to write code with loops, if statements, and switch statements.

You should know how to create arrays, how to find the position of the minimum and maximum value in an array, and how to set the background color of a text field. You should also be able to work with arrays of text fields.

The test will be on Wednesday of Week 8.