

## **Grading Rubrics for Assignment 1**

CIS210 – Fall 2016

Point Value: 100 points

Assignment Due Date: 11:59 pm Thursday August 25, 2016

The assignment is online on the Blackboard website.

The students were given a Java program containing various errors, which is to be corrected, compiled and run using Eclipse

To receive full credit, students have to:

- Get the program (including comments) into the Eclipse editor exactly as it was given to them, while personalizing the comment section and correcting the program errors
- Type in appropriate identifying information in the header
- Compile and run the program
- Submit the source file correctly before the deadline

In grading the project, we are looking for problems the students might have in understanding how to use Eclipse to write programs for this course. That might take the form of introducing other syntax errors or leaving out comments. It's less likely they'll introduce semantic errors on this project. Most errors listed below are unlikely to occur on this project, but this is a good time to get used to course grading guidelines in the general case.

Turned in "on time" if received on Blackboard by 11:59 p.m. Thursday 08/25/2016

Turned in "late" if received on Blackboard by 11:59 p.m. Thursday 08/27/2016

### **Program Style – 50 points**

Header identifies the student, course, assignment (Deduct up to 12 points)

- Deduct 2 points each for not including student's name, or sec#
- Deduct 2 points each for not including course, date, program number in the header, or instructor's name. (8 points)

Header describes program, input, output, assumptions (Deduct up to 12 points)

- Deduct 3 points each for omitting descriptions of summary, input, output, or assumptions
- Deduct 2 points for each section that is shortened to the point that it inadequately describes the program

In-line comments describe flow of program (Deduct up to 8 points)

- Deduct 2 points each for missing comments

Vertical and horizontal spacing enhance readability (Deduct up to 10 points)

- Deduct 4 points for failing to indent statements to make blocks and dependencies apparent
- Deduct 3 points for not inserting blank lines to set off sections of the program/comments
- Deduct 3 points for not aligning inline comments (also deduct if comments missing)

Output well formatted and easy to read (Deduct up to 8 points)

- Deduct 2 points each for elements that are missing or poorly formatted title, prompts, result, etc. (Consider wording, vertical spacing, horizontal spacing, Crossing the 80-column mark, etc.)

### **Program Coding & Output – (50 points)**

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Contains syntax warnings (if relevant) (Deduct up to 10 points)

- Deduct 2 points each for syntax warnings that were introduced by the student other than those that lead to a runtime error (see below)

Does not run (has runtime or link errors) (Deduct up to 10 points)

- Deduct 10 points if the student introduced a runtime error other than an error in the original program (see below)

Contains some of the original syntax errors (Deduct up to 15 points)

- Deduct 3 points for each original syntax error that was not corrected

Contains additional syntax errors (Deduct up to 15 points)

- Deduct 3 points for each syntax error that was introduced by the student other than those that were in the original program

Gives incorrect results (has semantic errors) (Deduct up to 30 points)

- Try to track down the problem in the code and explain it
- Deduct 10 points for each incorrect calculation
- Deduct 5 points if they include unnecessary Java libraries and classes

### **Alternative Minimum Penalties**

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Incorrect file (Deduct 98 points)

- Deduct 98 points if the file is empty or not .java code

File turned in as provided (Deduct 50 points)

- Deduct 50 points if the student submitted the .java file that was provided on Blackboard without correcting any of the errors

### **Other Penalties**

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Late penalty (Deduct 20 points)

- For this project, take off 20 points if not turned in on time, but still turned in by the late deadline

Missing program file (Deduct 100 points)

- If program file was missing from original submission, assign a zero grade.