

# CS408: Instructions Manual and Seeded-Defects Log Grading Rubric

Note1: Prepare two separate documents for 1 and 2.

Note2: Submit an executable version of your software product that is seeded with at least 25 defects, along with these two documents.

## 1 Instructions for ‘How to run your product’ (15 points)

Specify a well-defined set of instructions, so that other team can test your product without a lot of trouble. Make sure to include in it:

- the architectural dependency and the resources requirement to run your program (e.g., 32 bit or 64 bit JVM). If during development you use an emulator (like an android emulator), a specific database configuration, external libraries, etc., be sure to provide everything needed for testing in this set of instructions, including directions about how to access such things.
- user manual (e.g., in case of games and other applications where certain inputs have a special meaning to the program, specify such inputs and their meaning and their acceptable values).

## 2 Seeded-Defects Log

Provide a log of 25 defects and the suggested corrections for each defect.

Note that the executable that you submit along with these two documents should be the one with these 25 defects and not the one where you have made corrections for the defects.

Choose defects that can be found by a tester using the black-box testing. Start by putting back in defects that you found during Inspection and Testing. Add likely defects that might reasonably have happened during the software development process to get to a total of at least 25 defects. These should not be syntax errors detectable by a compiler. Ensure that the critical functionality of your project remains intact even after adding a defect, i.e., none of the defects should cause your project to crash or cause any run-time exception.

You should list the suggested corrections for the introduced defects in this document, but not make the corresponding corrections in your executable.

If you have not submitted 25 defects, we will cut points accordingly. For example, if you submit only 20 defects then you will be given 80% of 85 points (i.e., 68 points). Also, the points depend on the correctness and quality of your defect log.

Here is an example of a defect log format:

Defect No.	Defect	Output Before Seeding	Output After Seeding	Suggested Correction	Severity
1	Create Account does not tell user if username is taken already	Create Account prompts user that username already exists	No prompt given to user	Do null check and return prompt if username is duplicate	1
2					