

Assignment 1: Food Items Tracker (15% of course total) Marking Guide

Must be done individually.

Total = [30] marks. Use the formula $\text{Quiz_completed?}(\text{Quiz_mark} + \text{Program_mark}) : (0.5 * \text{Program_mark})$.

Quiz_mark

[5] Quiz: Online quiz.

Program_mark has two parts [20]+[5]

0 on Program_mark if cannot compile (communicate this to the student).

[20] Tracker Functionality

- [2] Able to save and load added items for subsequent running of the program
 - No marks for this point if methods other than JSON is used.
- [4] Robust keyboard input: when given an invalid value gracefully asks for retry (need not handle invalid types, like "hi" for a number).
 - Test it for each option/action, -1 for each, max. penalty is losing all 4 marks in this point
- [2+2] Able to add and remove items correctly.
- [2] Able to list expired items correctly.
- [2] Able to list items that are not expired correctly.
- [2] Able to list items that are expiring in 7 days correctly.
- [4] Good listing of items (using toString and show days left until expiration).

[5] Code Quality and Style

- Reasonable object oriented structure
 - must at least 3 non-trivial classes.
- Very minor violations of style guide have no penalty
 - (e.g., having "int myCount=0;" (spacing wrong) once)
- Lose a few marks for consistent problems
 - (like always getting the spacing wrong).
- Larger penalties possible for horrific code (0 on Program_mark)

Some specifics to check with suggested deductions (to Program_mark)

- -5 Incorrect indentation, brackets, or spacing (use IDE's reformat if needed).
- -5 Poor intention revealing class, method/variable names.
 - (e.g., making everything public or static, undecipherable names)
- -3 Poor/missing Javadoc comment on a class (not needed on fields)
- -3 Uneven menu
- -3 incorrect file names, class names (first letter must be uppercase), file structure (must start from empty project, use OpenJDK16 & Google Gson)

Forward to instructor if material is suspiciously similar to another submission or code posted online.