
Homework 0¹
GitHub submission practice & review of inheritance and interfaces
Total points: 20

This homework assignment is worth only a small amount of credit. The main purpose is to practice downloading the assignment source code from GitHub and pushing your solutions back up to GitHub. The assignment also provides an opportunity to quickly review two of the central concepts from COMP132: inheritance and interfaces.

Question 1. (10 points) Create a new class that extends the `SpaceAlien` class and implements the `ZapsWithSlime` interface. Feel free to be creative, but a suggested minimum would be to add at least one field and also override the `doGreeting()` method in addition to implementing the `ZapsWithSlime` interface.

Note: When a question involves writing or editing source code (as in Question 1 above), create your solution in VSCode. When you finish the assignment, you will push all your source code to your GitHub repository for grading.

Question 2. (10 points) Write a few sentences of your own words describing the differences between the following three software concepts:

- overriding a method
- overloading a method
- implementing a method

It's fine to use sources for this question, but if you consult a source, you should cite it and also make sure to write your answer in your own words.

Note: When a question requires a written answer (as in Question 2 above), insert your answer into the homework assignment document. (Yes, start typing your answer immediately after this paragraph.) When you have finished the assignment, export the document as PDF and save it in your GitHub repository, in the top-level folder called `noncode-answers`.

When you have finished your assignment, push all source code and the assignment PDF to your GitHub repository. This can be done within VSCode. Alternatively, feel free to use other tools for manipulating your git repository. It is always a good idea to check that your material has been pushed as expected, by visiting your repository in a browser and verifying the content visually.

¹ This homework assignment has been adapted from an assignment originally created by Prof. MacCormick.