Exercise 9.1

Use the given zip file: Inhertance.zip and make the following enhancements:

1. Add a class NumericQuestion to the Question hierarchy. If the response and the expected answer differ by no more than 0.01, then accept the response as correct.
2. Modify the checkAnswer method of the Question class so that it does not take into account different spaces or upper/lowercase characters. For example, the response “James gosling” should match an answer of “James Gosling”.
3. Add a class MultiChoiceQuestion to the question hierarchy that allows multiple correct choices. The respondent should provide all correct choices, separated by spaces. Provide instructions in the question text.
4. Provide test cases for your classes.