# Practical Test 2

## Instructions

1. This test is covers inheritance and polymorphism.
2. You will need the Processing project PracTest2 for this test.
3. You should save your work regularly as you progress through the test.
4. By the end of the test, you should have *one* Processing project to submit. Its name should be **PracTest2**.

## Task

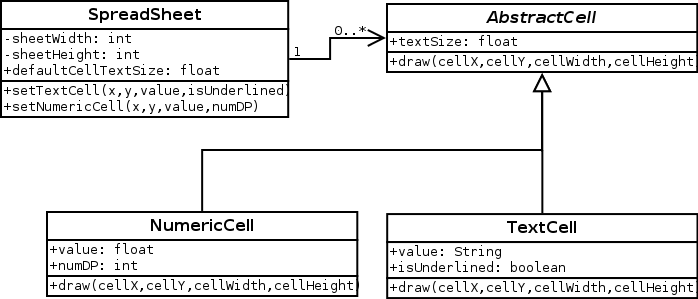
Consider a *spreadsheet* program. A spreadsheet is a 2D array of cells. Each cell can have different properties (e.g. font, colour) and different behaviour (e.g. one cell may contain a string, another a formula).

You are going to write a very simple spreadsheet program in Processing.

Your spreadsheet will have only two types of cell:

* numeric, being cells containing numbers that are formatted to a specified number of decimal places; and
* textual, being cells containing a string which may be optionally underlined.

A complete UML diagram for the program is given below:



Your job is to translate this UML class diagram into Processing code as accurately as possible.

Note that types for the

Marking Scheme

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| **Item** | **Marks** |