File Format: .grd Files

Description

The first record/line in the file contains the number of categories in the rest of the file. It always contains a String representation of an int.

The first record/line of each category contains 5 tab-delimited fields: the name of the category (a `String`), the number of graded assessments in the category (a `String` representation of an `int`), the weight to use when calculating the weighted total (a `String` representation of a `double`), a `String` representation of a `boolean` indicating whether the lowest grade in the category should be dropped, and a `String` representation of a `boolean` indicating whether the highest grade in the category should be dropped.

The next records contain the graded assessments for the category, one per record/line. These records contain 1 or 2 tab-delimited fields: the name of the graded assessment (a `String`), and an optional grade (a `String` representation of a `double`).

An Example

```
4
Programming Assignments 6     0.40  true  false
PA1   20
PA2   18
PA3   5
PA4   15
PA5   20
PA6   20
Homework Assignments    5     0.10  false false
HW1   20
HW2   5
HW3   0
HW4   10
HW5   15
Midterm Exam     1     0.20  false false
Midterm     80
Final Exam  1     0.30  false false
Final 75
```

There are four categories in this example.

The first category is "Programming Assignments" that contains 6 graded assessments. When calculating the course grade, this category will have a weight of 0.4, the lowest grade will be dropped, and the highest grade will not be dropped. The 6 assessments in this category are named "PA1" to "PA6", each of which includes the optional grade.

The second category is "Homework Assignments" that contains 5 graded assessments. When calculating the course grade, this category will have a weight of 0.1 and no grades will be

dropped. The 5 assessments in this category are named "HW1" to "HW5", each of which includes the optional grade.

The third category is "Midterm Exam" that contains 1 graded assessments. When calculating the course grade, this category will have a weight of 0.2 and no grades will be dropped. The assessment in this category is named "Midterm" and it includes the optional grade (i.e., 80).

The fourth category is "Final Exam" that contains 1 graded assessments. When calculating the course grade, this category will have a weight of 0.3 and no grades will be dropped. The assessment in this category is named "Final" and it includes the optional grade (i.e., 75).