



Specifications: CourseReader

CourseReader is a utility class for reading .grd files. In addition to the obvious specifications illustrated in the UML class diagram, the CourseReader class must satisfy the following specifications.

1. The readCategory() method must return a Category object that contains information about the "next" category (which contains size different Grade objects) that can be read using the BufferedReader named in.
 - 1.1. An individual Grade must have a missing value if the optional second field in the corresponding record/line is omitted.
 - 1.2. The key of the Category that is returned must be the same as the parameter named key.
 - 1.3. The filter of the Category that is returned must be the same as the parameter named filter.
 - 1.4. The strategy of the Category must be a TotalStrategy.
2. The readCourse() method must return a Course object that contains size different Category objects that are read using the BufferedReader named in.
 - 2.1. The List of Category objects in the Course must be read using (repeated calls to) the readCategory() method.
 - 2.1.1. The filter that is passed to the readCategory() method must be a DropFilter with appropriate attributes.
 - 2.2. The strategy of the Course must be a WeightedTotalStrategy with appropriate attributes.