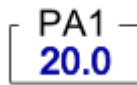




Specifications: LeafGradeField

In addition to the obvious specifications illustrated in the UML class diagram, the LeafGradeField class must satisfy the following specifications.

1. Visually, a LeafGradeField object must look something like the following (where the text in blue is representative of information entered by the user).



- 1.1. The information at the top of the LeafGradeField must be the key of the template LeafGrade object that is passed to the constructor.
- 1.2. The text of the LeafGradeField must be the value of the template LeafGrade object that is passed to the constructor.
2. The getGrade() method must return a LeafGrade object.
 - 2.1. The key of the returned LeafGrade object must be the key of the template LeafGrade that is passed to the constructor.
 - 2.2. The value of the returned LeafGrade object must be constructed from the contents of the owning LeafGradeField.
 - 2.2.1. If the contents can't be converted into a Double for any reason, the returned LeafGrade object must have a missing value.
3. The reset() method must set the text of the LeafGradeField to the empty String.