



Specifications: Cohort

A Cohort is a collection of History objects. For example, a Cohort might contain the History objects for all of the students in a particular major.

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

1. Constructors must initialize all attributes.
 - 1.1. The histories attribute must be an empty (non-null) List.
 - 1.2. The calculator attribute must be a WeightedAverageCalculator with null weights.
2. The getValue() method must return the result of applying the calculator to a List containing the value (obtained using the elements getValue() method) of each History element in the histories attribute.