

Specifications: WeightedTotalCalculator

In addition to the obvious specifications illustrated in the UML class diagram and the specifications for the parent class and interface, the `WeightedTotalCalculator` class must satisfy the following specifications.

1. The explicit value constructor must create a `WeightedTotalCalculator` with the given weights.
2. The default constructor must create a `WeightedTotalCalculator` that has a `weights` attribute that is `null`.
3. You may assume that the `calculate()` method is passed a `List` that does not contain any `null` elements. (Note: The `List` may contain missing elements.)
4. The `calculate()` method must not have any side effects. That is, it must not change the parameters that it is passed in any way and it must not change any attributes in any way.
5. The `calculate()` method must return the weighted total of the elements in the `List` it is passed.
 - 5.1. The `label` of the result must equal the parameter named `resultLabel`.
 - 5.2. The specifications regarding the `data` parameter are the same as those for the `WeightedAverageCalculator`.
 - 5.3. The specifications regarding the `weights` parameter are the same as those for the `WeightedAverageCalculator`.
 - 5.3.1.
 - 5.4. The `calculate()` method must use the `performIntermediateCalculations()` method.