UC005 Methods

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Use case Number	UC005
Use case Name	System processes a function.
Goal in context	-
Actors and their interest	● System being developed.
Preconditions	● The system is inside the process of a cell with formula while opening a file or while changing a cell. ● The system detects in the postfix the function PROMEDIO as an operand inside the formula.
Postconditions	A spreadsheet is available in the system if the user wants to modify something.
Basic Flow	1. The system recovers the value of all the arguments of the function. 2. The system sums all the values and divides them by the number of values. 3. The system returns the value of this operand to who ask for it.
Extensions	1.a An argument of the function is a function again. 1. The system will execute this use case for that function. 1.b An argument of the function is an empty cell. 1. The system will treat it as a 0, counting for the average.
Special Requirements	All the data requirements shall be developed.

Step in the Use Case	1, 2, 3
Name of the method	getValue
Initial list of arguments	This method doesn't have arguments.
Returned Value	Number object does content the result of the execution of the function.
Exceptions	
Description	Computes the value of the function, in this use case, it sums all the values and divide it with the size.
Assigned to class	Abstract method in Function class to be implemented in each specific function class. Polymorphism GRASP pattern.