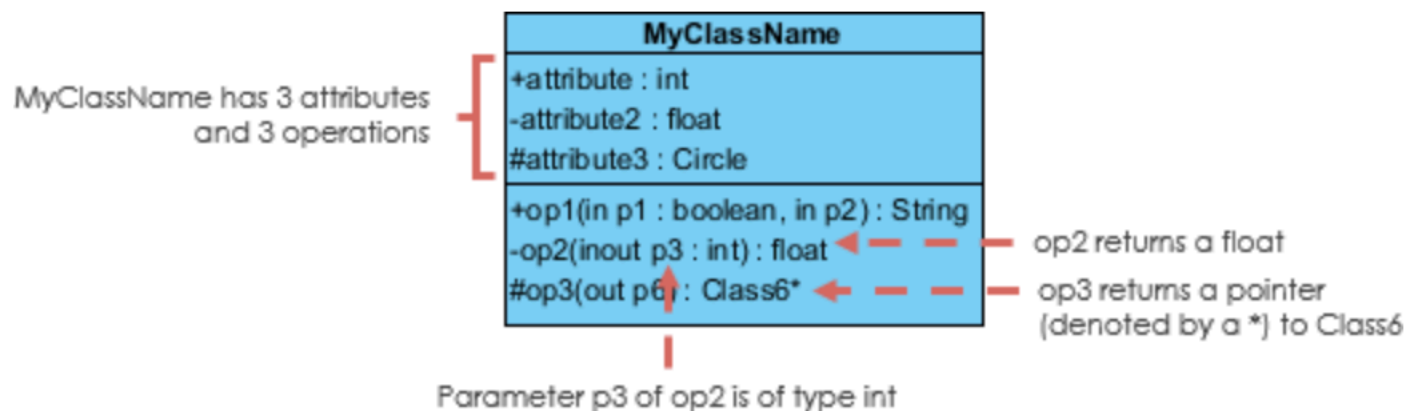


Additional Lecture

Class Diagram

More explanation for class diagram

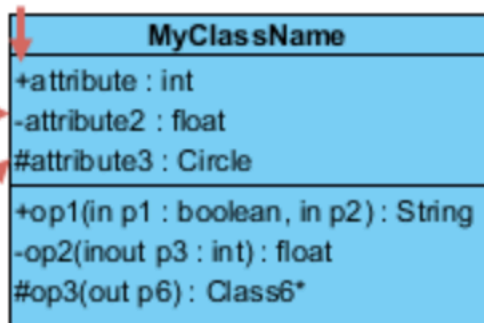
- Pictures from <https://www.visual-paradigm.com/guide/uml-unified-modeling-language/uml-class-diagram-tutorial/>



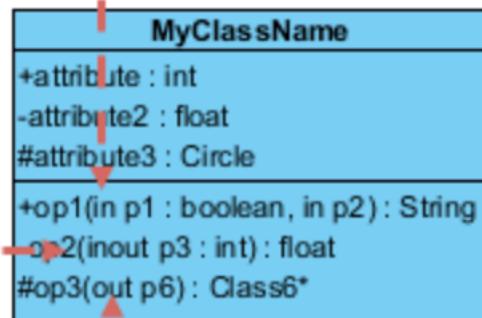
Public Attribute

Private Attribute

Protected Attributes



Passed to op1 by the caller



Passed to op2 by the caller, and possibly modified by op2 and is passed back

Not set by the caller but is modified by op3, and is passed back out

Cell

Cell

Conceptual

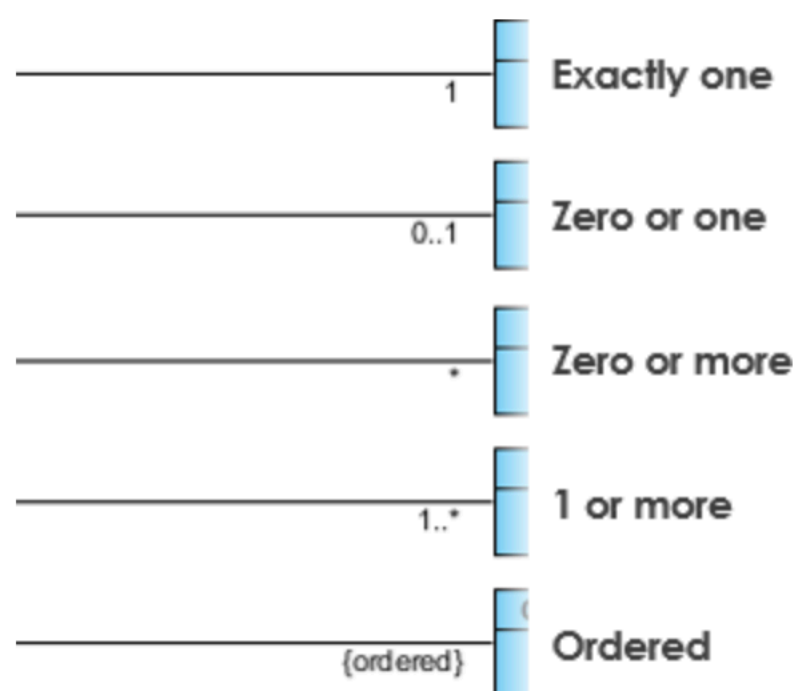
Cell
-expression -value
+evaluate the expr()

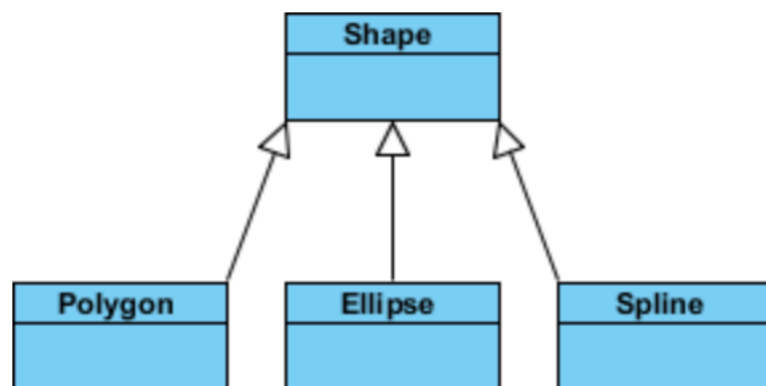
Cell
-expression : Expression -value : Value
+evaluate(Spreadsheet)

Specification

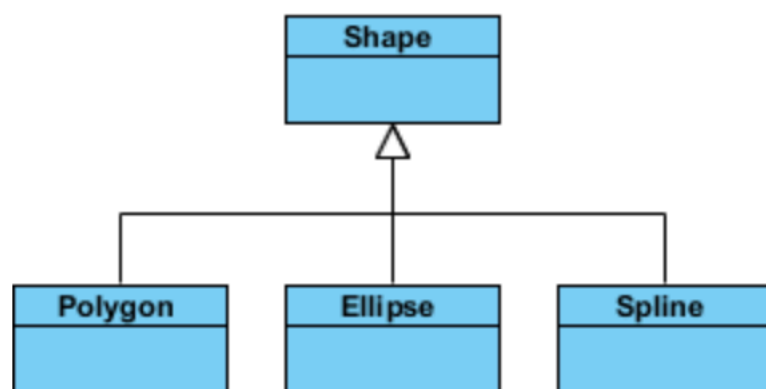
Cell
-expression : Expression = null -value : Value = null
+evaluate(Spreadsheet) +getFormula() : Expression +setFormula(Expression) +getValue() : Value

Implementation





Style 1: Separate target



Style 2: Shared target

