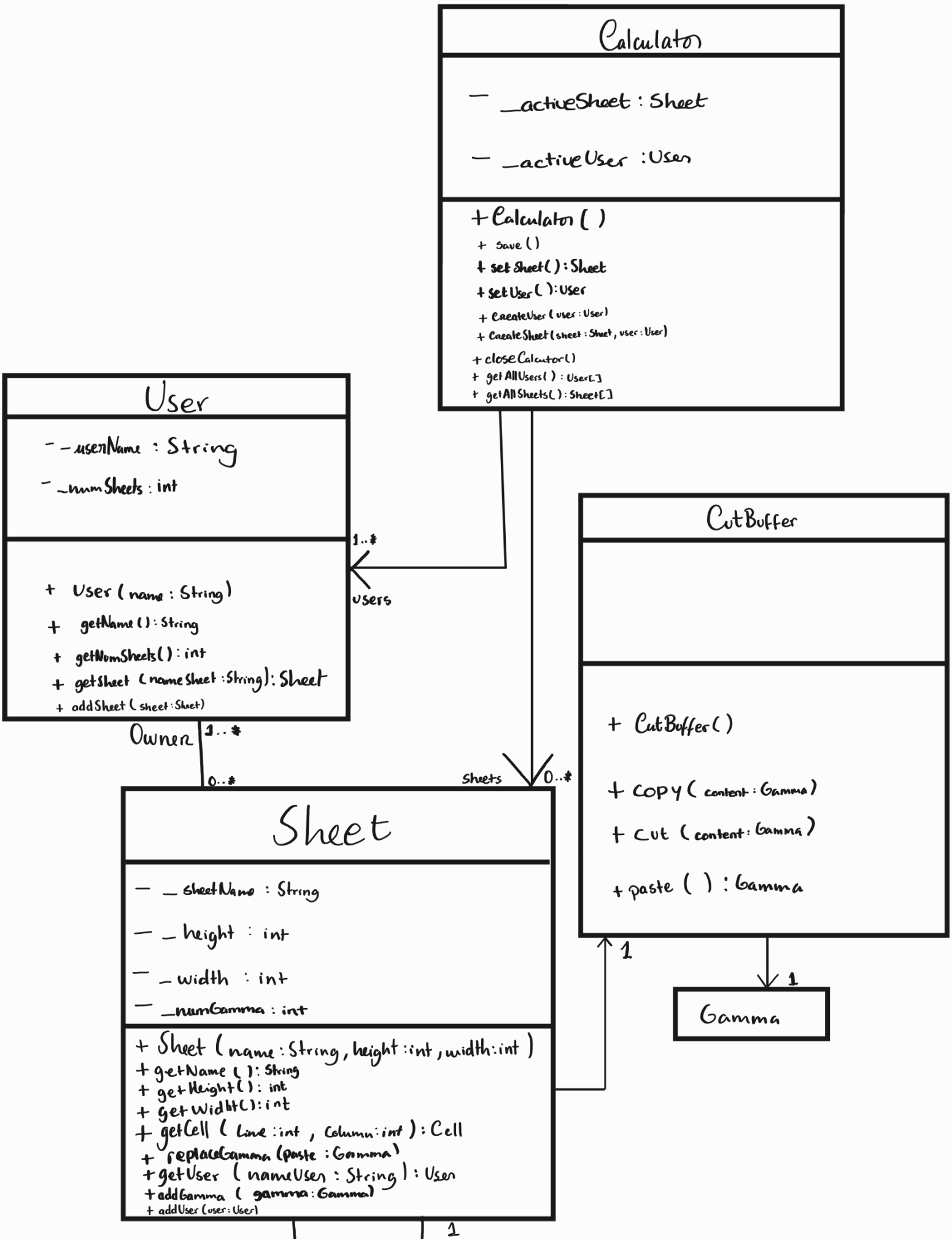
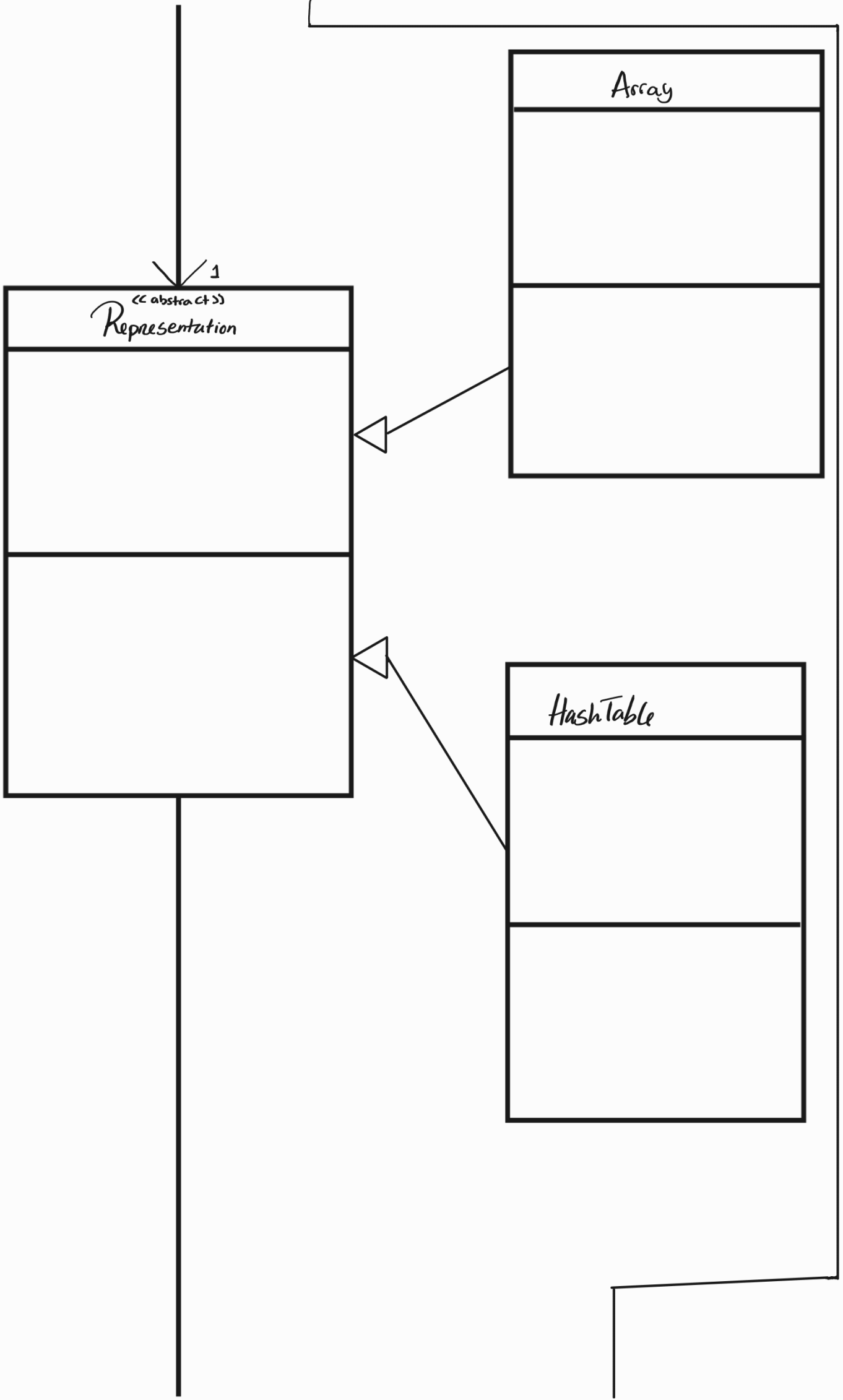
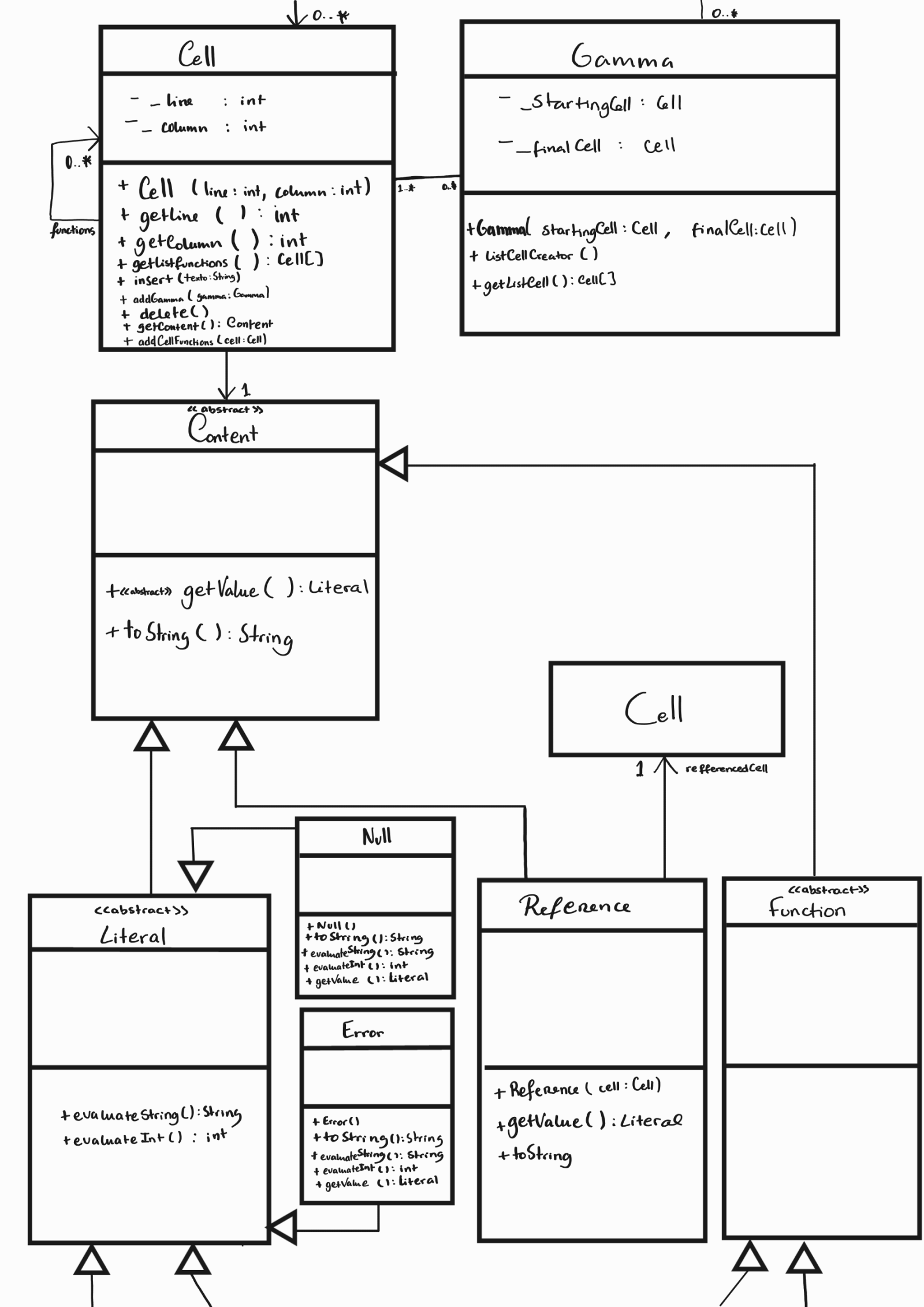
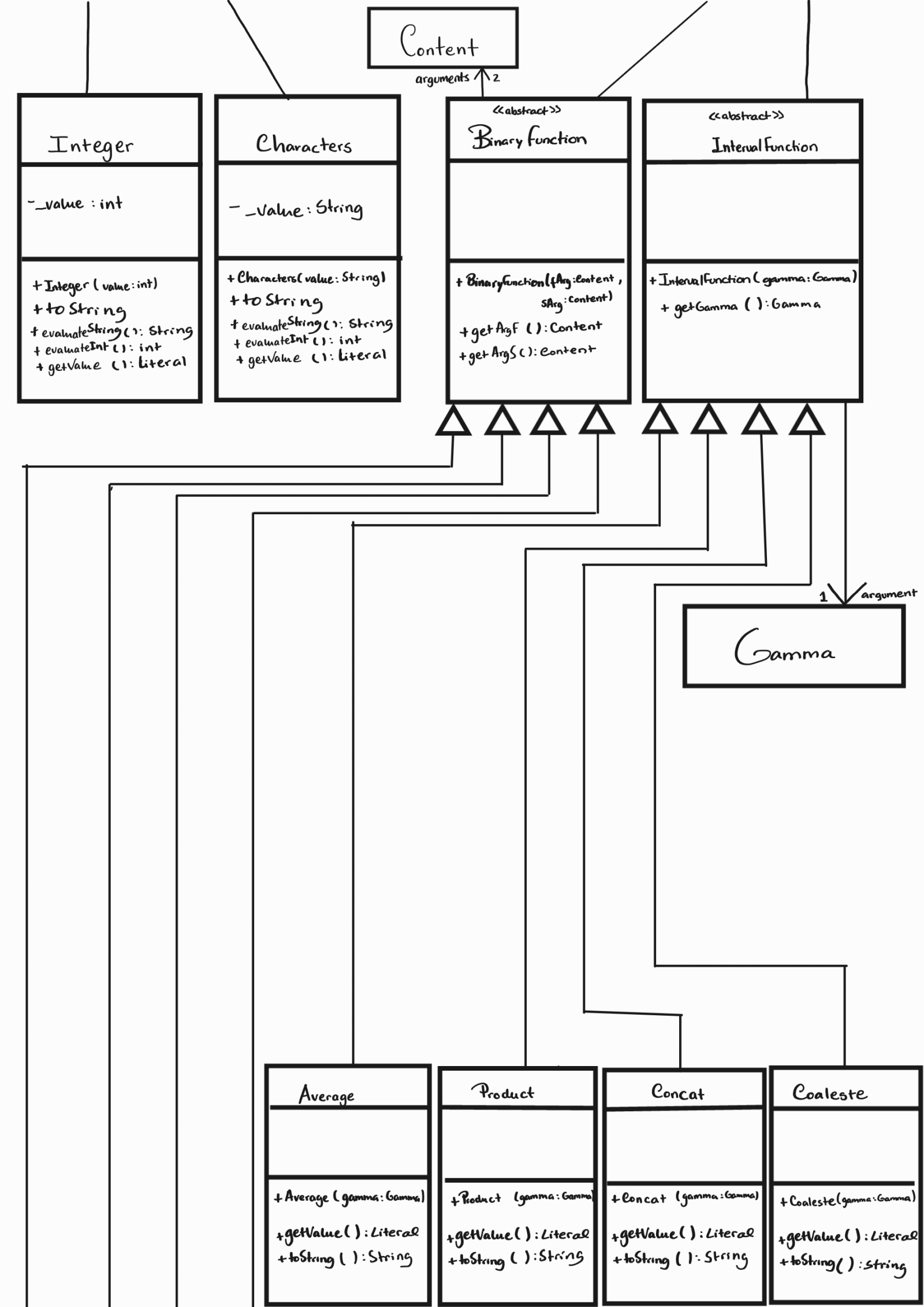
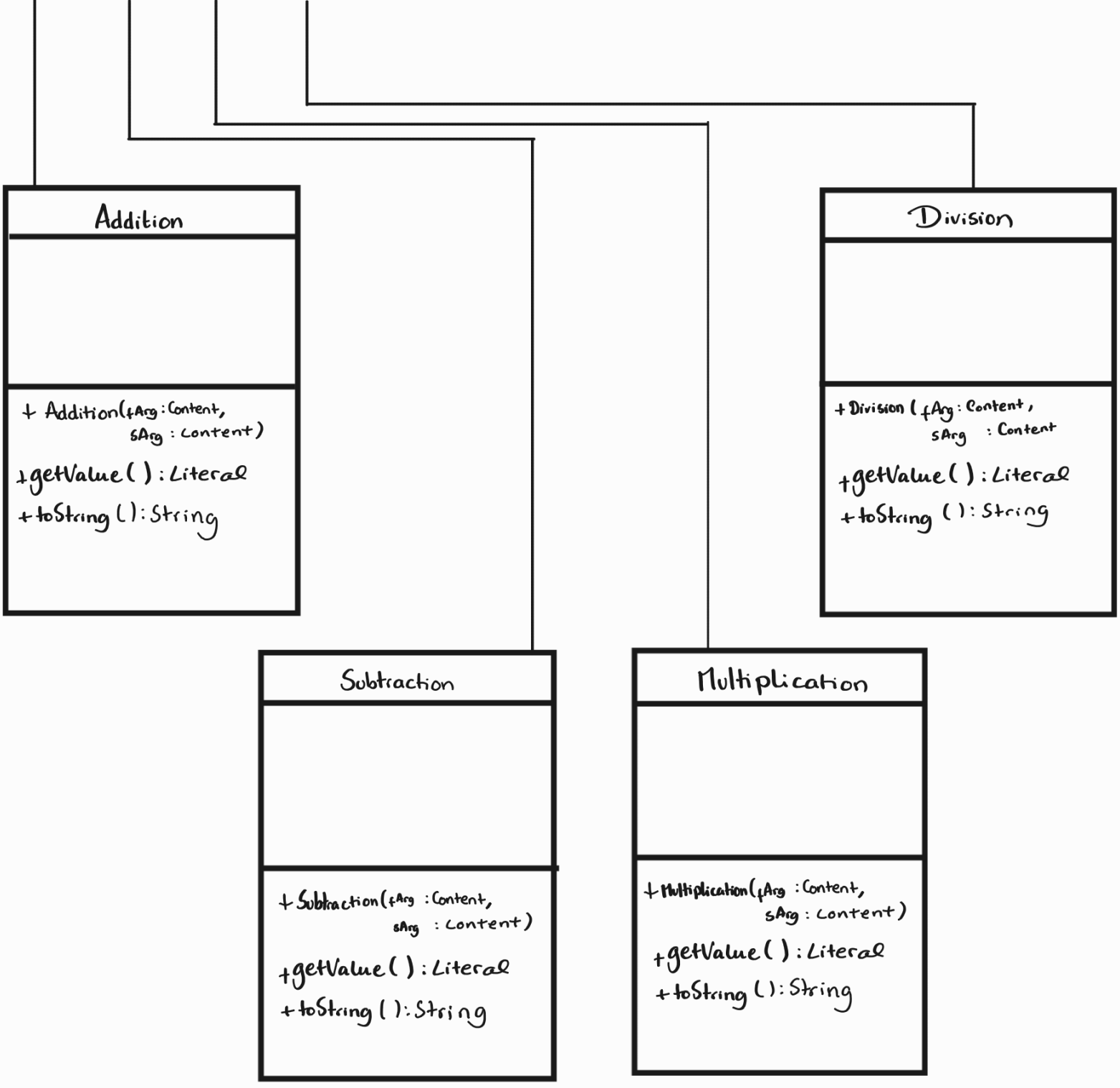
UML modeling of the project domain of the object-oriented programing discipline 2023/24




Array
1
<<abstract>>
Representation
HashTable


0..*
Cell
- _line : int
- _column : int
+ Cell (line : int, column : int)
+ getline ( ) : int
+ getColumn ( ) : int
+ getlistfunctions ( ) : Cell[]
+ insert (texto : String)
+ addGamma (gamma : Gamma)
+ delete ( )
+ getContent ( ) : Content
+ addCellFunctions (cell : Cell)
0..*
functions
1..*
0..*
Gamma
- _StartingCell : Cell
- _finalCell : Cell
+Gamma(startingCell : Cell , finalCell:Cell)
+ listCellCreator ( )
+ getListCell ( ) : Cell[]
1
<<abstract>>
Content
+<<abstract>> getValue ( ) : Literal
+ toString ( ) : String
Cell
1
refferencedCell
Null
+ Null ( )
+ toString ( ) : String
+ evaluateString ( ) : String
+ evaluateInt ( ) : int
+ getValue ( ) : Literal
<<abstract>>
Literal
+ evaluateString ( ) : String
+ evaluate Int ( ) : int
Error
+ Error ( )
+ toString ( ) : String
+ evaluateString ( ) : String
+ evaluateInt ( ) : int
+ getValue ( ) : Literal
Reference
+ Reference (cell : Cell)
+ getValue ( ) : Literal
+ toString
<<abstract>>
Function


Content
arguments
2
Integer
-_value : int
+Integer (value : int)
+toString
+evaluateString ( ): String
+evaluateInt ( ): int
+getValue ( ): Literal
Characters
- _value : String
+Characters(value : String)
+toString
+evaluateString ( ): String
+evaluateInt ( ): int
+getValue ( ): Literal
«abstract»
Binary function
+BinaryFunction(fArg:Content, sArg:Content)
+getArgF ( ): Content
+getArgS ( ): Content
«abstract»
IntervalFunction
+IntervalFunction (gamma : Gamma)
+getGamma ( ): Gamma
1
argument
Gamma
Average
+Average (gamma : Gamma)
+getValue ( ) : Literal
+toString ( ) : String
Product
+Product (gamma : Gamma)
+getValue ( ) : Literal
+toString ( ) : String
Concat
+Concat (gamma : Gamma)
+getValue ( ) : Literal
+toString ( ) : String
Coaleste
+Coaleste(gamma : Gamma)
+getValue ( ) : Literal
+toString ( ) : String



Grupo 73 Turno PO2L10
João Tomás de Almeida Santos Antunes Gomes ist1106204
Sofia Dinis Pinto Piteira ist1106194