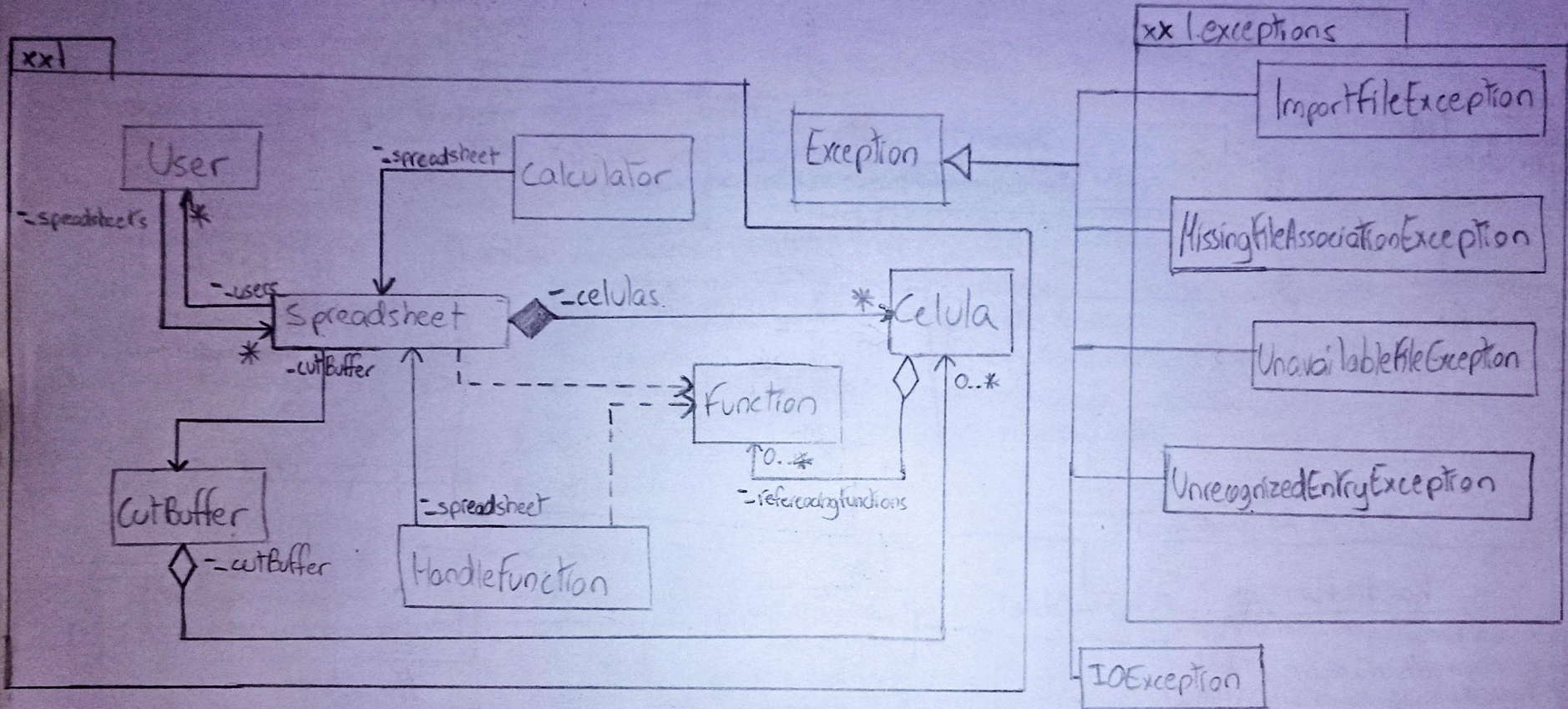Declaro por minha honra que este diagrama foi realizado apenas pelos elementos que constituem o grupo de projeto. André Santos, ist1107041

Declaro por minha honra que este diagrama foi realizado apenas pelos elementos que constituem o grupo de projeto. Tomás Bernardino, ist1107052

→Grupo084←

xx1

User

-spreadsheets

-users

-spreadsheet

Calculator

Exception

Spreadsheet

-celulas

Celula

*

-cutBuffer

*

Function

0..*

-referencingFunctions

CutBuffer

-spreadsheet

-cutBuffer

HandleFunction

xx1.exceptions

ImportFileException

MissingFileAssociationException

UnavailableFileException

UnrecognizedEntryException

IOException

All classes implement Serializable.

The following page of this document contain the fields and methods of the classes that are not empty

Spreadsheet

- _max_lines : int
- _max_col : int

+ insertContents(rangeSpecification:String, contentSpecification:String):void
+ deleteContents(rangeSpecification:String):void
+ show(gama:String):void
+ copy(gama:String):void
+ paste(gama:String):void
+ cut(gama:String):void

+ searchValue(value:int):void
+ searchFunction(function:String):void

Celula

- _intValue:int
- _strValue:String
- _function:Function

+ is_empty():boolean
+ is_Int():boolean
+ is_Str():boolean
+ is_Function():boolean
+ isBeingReferenced():boolean
+ addReferencingFunction(function:Function):void
+ removeReferencingFunction(function:Function):void

Calculator

+ save():void
+ saveAs(filename:String):void
+ load(filename:String):void
+ importfile(filename:String):void
+ createSpreadsheet(lines:int, columns:int):void

Function

- _content:String
- _intValue:int
- _strValue:String

+ isReference():boolean

Handlefunction

+ createFunction(expression:String):Function
+ calculateFunction(function:Function):void
+ updateFunction(function:Function):void

CutBuffer

+ showCutBuffer():void