

Spreadsheet

- `_total - lines: int`
- `_total - columns: int`
- `_filename: String`
- `_spreadsheet: Cell[]`
- `_cutBuffer: CutBuffer`
- + `IntervalIsValid (cells: Cell, cell2: Cell): boolean`
- + `insertContents (rangeSpecification, contentSpecification: string): void`
- + `add (args: int, arg2: int): int`
- + `subtract (args: int, arg2: int): int`
- + `divide (arg1: int, arg2: int): int`
- + `multiply (args: int, arg2: int): int`
- + `average (interval: Interval): int`
- + `concat (interval: Interval): String`
- + `coalesce (interval: Interval): String`
- + `product (interval: Interval): int`
- + `copy (cutBuffer: CutBuffer, content: string): void`
- + `cut (cutBuffer: CutBuffer, content: string): void`
- + `paste (cutBuffer: CutBuffer, content: string): void`
- + `SpreadsheetLimits (line: int, column: int): void`
- + `addUser (user: User): void`
- + `isLiteral (): boolean`
- + `SearchbyFunction (functionName: String): ArrayList<Cell>`
- + `searchbyValue (value: int): ArrayList<Cell>`

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| ImportFileException |
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| MissingFileAssociationException |
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| UnavailableFileException |
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| - filename : String |
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| UnrecognizedEntryException |
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| - entrySpecification : String |
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|------|
| Cell |
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|--------------------|
| - line : int |
| - column : int |
| - content : String |
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| CutBuffer |
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| - cell : Cell |
| - interval : Interval |
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| calculator |
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| - spreadsheet : Spreadsheet |
| - active User : User |
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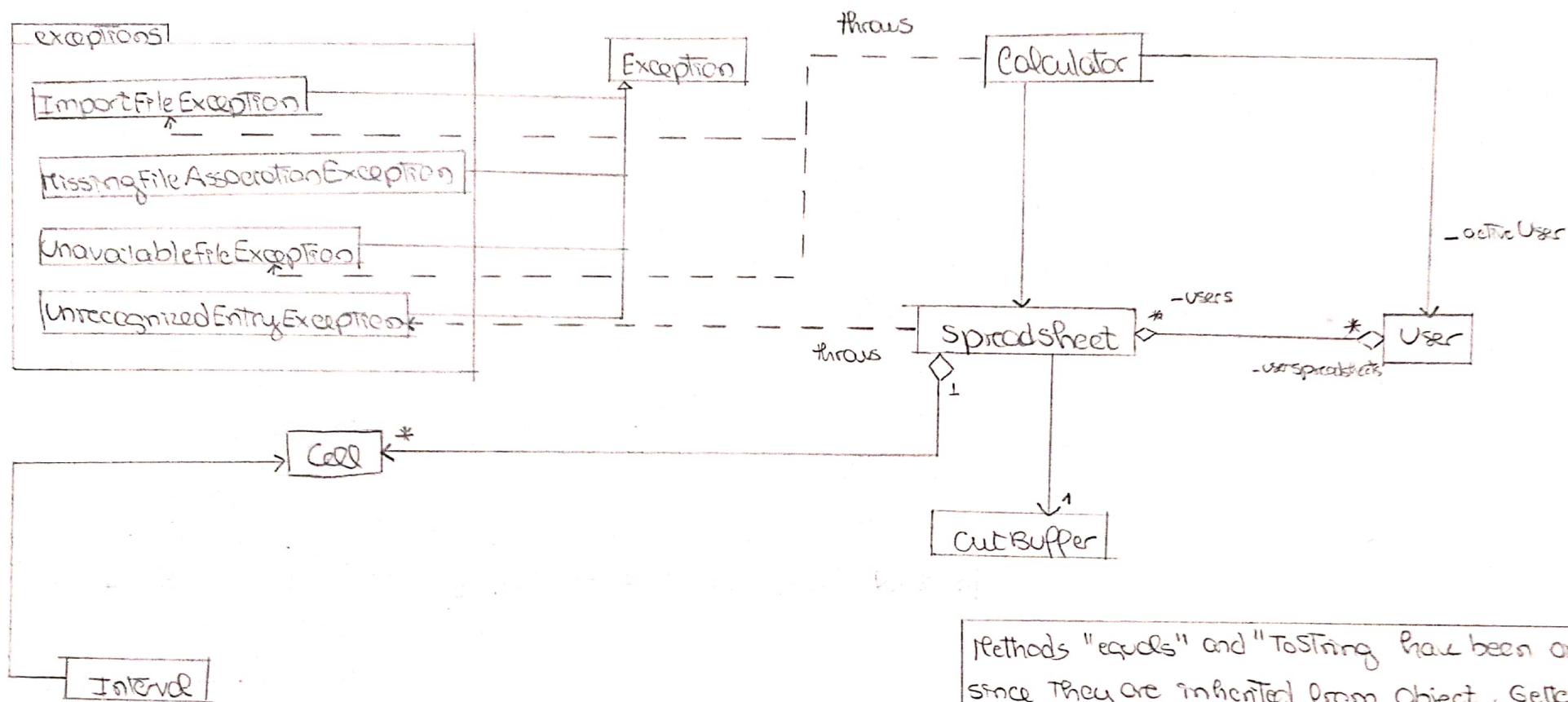
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| + saveAs (filename : String) : void |
| + load (filename : String) : void |
| + importFile (filename : String) : void |
| + save () : void |
| + changeActiveUser (active User : User) : void |

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| Interval |
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|----------------|
| - cell1 : Cell |
| - cell2 : Cell |
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|------|
| User |
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|---|
| - username : String |
| + addSpreadsheet (spreadsheet spreadsheet) : void |



Methods "equals" and "toString" have been omitted since they are inherited from Object. Getters and setters, have also been omitted. Class serial numbers for serialization have also been omitted. Interfaces Message, Label e Prompt have also been omitted for simplicity, because it only provides output.

Declaro por minha honra que este diagrama foi realizado apenas pelos elementos que constituem o grupo do projeto.

Marcelo Ascensão Laurenci ISB 1107137

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

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