



Os métodos "iguais" e "toString" foram omitidos (por padrão de Object), assim como "getters" e "setters". A classe Serial foi igualmente omitida e todas as classes (exceto a classe Calculador) implementaram Serializable. Ver métodos e atributos nas próximas páginas...

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

- Error: int
- columns: int
- changed: boolean
- + initialize Cells (Error: int, columns: int): void
- + get Cells (range: String): Cell[]
- + insert Cells (range: String, content: String): void
- + clear Cells (range: String): void
- + show Cells (range: String): void
- + copy To Cut Buffer (range: String): void
- + paste From Cut Buffer (range: String): void
- + cut Cells (range: String): void
- + show Cut Buffer(): void
- + get Cell Value (ref: String): String
- + get Cells With Value (value: String): Cell[]
- + show Cells With Value (value: String): void
- + get Cell Expression (ref: String): String
- + get Cells With Function (function: String): Cell[]
- + show Cells With Function (function: String): void
- + calculate Cell Value (ref: String, function: String): String
- + add User (name: String): void
- + get User (name: String): User
- + show All Users(): void

Calculator

- filename: String
- + save(): void
- + save As (filename: String): void
- + load (filename: String): void
- + import File (filename: String): void
- + get Spreadsheet(): Spreadsheet

User

- name: String
- + add Spreadsheet (name: Spreadsheet): void

Cut Buffer

- + is Empty(): boolean
- + get Cut Buffer Content(): Cell[]
- + empty Cut Buffer(): void
- + insert In Cut Buffer (content: Cell[]): void

add
- << binary >> - ref: String
- content: String
+ getRef(): String
+ getContent(): String
+ isEmpty(): boolean
+ isValue(): boolean
+ isRef(): boolean
+ isFunction(): boolean
+ clearContent(): void
+ insertContent(content: String): void
+ getFunctionName(): String

<< abstract >> Function
- value: String
+ <<abstract >> toString(): void
+ intToString(value: int): String

<< abstract >> Binary Function
- arg1: int
- arg2: int
+ toString(): void
+ <<abstract >> calculateBinary(): String

ADD function
+ calculateBinary(): String

SUB function
+ calculateBinary(): String

MUL function
+ calculateBinary(): String

DIV function
+ calculateBinary(): String

<<abstract >> Internal Function
- args: String[]
+ toString(): void
+ <<abstract >> calculateInternal(): String

AVERAGE function
+ calculateInternal(): String

CONCAT function
+ calculateInternal(): String

PRODUCT function
+ calculateInternal(): String

COALESCE function
+ calculateInternal(): String

