



*May*

Classes from pt.tecnico.ulib minus and classes Menu have been ~~omitted~~ omitted, and so have the Object methods overrides like equals and toString, due to the fact that these are irrelevant to this diagram.



~~pt. tecnico milib~~

<<abstract>>  
Command

- \_test: boolean  
- \_title: String  
# \_receiver: Receiver  
# \_valid: Predicate<Receiver>

+ <<final>> title(): String  
+ \_start(): boolean  
+ \_isValid(): boolean  
+ addBooleanField(Key: String, prompt: String): void  
+ addRealField(Key: String, prompt: String): void  
+ addIntegerField(Key: String, prompt: String): void  
+ addStringField(Key: String, prompt: String): void  
+ booleanField(Key: String): Boolean  
+ realField(Key: String): ~~Boolean~~ Double  
+ integerField(Key: String): Integer  
+ stringField(Key: String): String  
+ <<final>> performCommand(): void  
\* # <<abstract>> execute(): void

<<abstract>>  
CommandException

DeepenMenu

Menu

- \_title: String

+ title(): String  
+ size(): int  
+ entry(n: int): Commande?>  
+ entries(): Commande?>[]  
+ open(): void

Dialog

- <<final>> ACTION\_CHANNEL: String = "ai"  
- <<final>> CHANNEL\_SWING: String = "swing"  
- <<final>> CHANNEL\_NEW\_SWING: String = "newsing"  
- <<final>> CHANNEL\_TEXT: String = "text"

+ open(menu: Menu): void  
+ fill(form: Form): void  
+ render(title: String, text: String): void  
+ close(): void

<<interface>>  
InteractionDriver

+ open(menu: Menu): void  
+ fill(form: Form): void  
+ render(title: String, text: String): void  
+ close(): void



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## Display

- title: String  
- text: StringBuilder

+ add(toAdd: Object): Display  
+ addAll(items: Collection<?>): Display  
+ addLine(toAdd: Object): Display  
+ addNewLine(toAdd: Object, force: boolean): Display  
+ display(): void  
+ popup(top: Object): void  
+ popup(top: Collection<?>): void  
+ clear(): void

pt.techno. whb forms

<<abstract>>

Field

- prompt: String  
~~maxValue~~  
- clean: boolean  
# value: Type

+ prompt: String  
+ set(value: Type): void  
+ value(): Type  
+ clear(): void  
+ dirty(): void  
+ cleared(): boolean  
+ isReadOnly(): boolean  
+ <<abstract>> parse(in: String): boolean

FormException

Field Boolean

~~maxValue~~

- <<field>> BOOLEAN-WORD-YES: String = "yes"  
- <<field>> BOOLEAN-WORD-NO: String = "no"  
- <<field>> BOOLEAN-CHAR-YES: String = 'y'  
- <<field>> BOOLEAN-CHAR-NO: String = 'n'

Field Integer

Field None

+ isReadOnly(): void

Field Real

Field String



## pt. tecnico utilb forms

### Form

- title: String

+ title(): String

+ entries(): Collection<Field<?>>

+ field(~~key~~ Key: String): Field<?>

+ add(Key: String, an: Field<?>): void

+ addBooleanField(Key: String, label: String): void

+ addStringField(Key: String, label: String): void

+ addRealField(Key: String, label: String): void

+ ~~add~~ addIntegerField(Key: String, label: String): void

- get(Key: String, type: String): Object

+ booleanField(Key: String): Boolean

+ stringField(Key: String): String

+ realField(Key: String): Double

+ integerField(Key: String): Integer

+ parse(): Form

+ parse(clean: Boolean): Form

+ clean(): void

+ confirm(prompt: String): Boolean

+ requestInteger(prompt: String): Integer

+ requestReal(prompt: String): Double

+ requestString(prompt: String): String

## pt. tecnico utilb text

### CompositeInputStream

- streams: Collection<InputStream>

- error: boolean

~<<find>> add(ps: InputStream): void

### RuntimeException

### TextInteraction

- in: BufferedReader

- out: PrintStream

- log: PrintStream

- writeInput: boolean

~~readString(prompt: String): String~~

- <<find>> readString(prompt: String): String

- <<find>> readInteger(prompt: String): int

Declaro por minha honra que este diagrama foi elaborado apenas por parte dos elementos que constituem o grupo de ~~projeto~~ projeto.

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