pt.tecnico.uilib

RuntimeException

Buffered Reader

«interface»
InteractionDriver

Exception

IOException

-backend

«interface»
AutoCloseable

Dialog

=ui
Display

PrintStream

pt.tecnico.uilib.text

-streams

«interface»
Predicate T

pt.tecnico.uilib.menu

Menu

Composite PrintStream

#_valid
«bind»
T→Receiver

-ui

-commands
Receiver

RuntimeEOFException

«abstract»
Command

#«final»
-displs

-log

Text Interaction

-out

=in

«throws»

«abstract»
CommandException

Form Exception

DoOpenMenu

«bind»
Receiver
→Menu

-ui

«final»
-form

Form

-fields *

«abstract»
Field

Type

pt.tecnico.uilib.form

Type→String
«bind»

Type→Void
«bind»

Type→Integer
«bind»

Type→double
«bind»

Type→String
«bind»

Type→Boolean
«bind»

FieldString

FieldNone

FieldInteger

FieldReal

FieldOption

FieldBoolean

FieldInteger

+ parse(in:String): boolean

FieldReal

+ parse(in:String): boolean

FieldString

+ parse(in:String): boolean

FieldBoolean

- BOOLEAN_WORD_YES: String = "sim"
- BOOLEAN_WORD_NO: String = "nao"
- BOOLEAN_CHAR_YES: char = 's'
- BOOLEAN_CHAR_NO: char = 'n'

+ parse(in:String): boolean

FieldNone

+ parse(in:String): boolean
+ isReadOnly(): boolean

FormException

RuntimeEOFException

Exception

FieldOption

- _options : String[]

+ parse(in:String): boolean

«abstract» Field

`Type: Class`

- _prompt: String
- _clear: boolean
- #_value: Type

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

«interface» InteractionDriver

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

«interface» AutoCloseable

PrintStream

BufferedReader

IOException

RuntimeException

Form

- _title : String

+ title() : String
+ entries() : Collection < Field <?>>
+ field(Key: String) : Field<?>
- add(Key: String, in:Field<?>) : void
+ addBooleanField(Key: String, label: String) : void
+ addStringField(Key: String, label: String) : void
+ addRealField(Key: String, label: String) : void
+ addIntegerField(Key:String, label: String) : void
+ addOptionField(Key:String, label: String, options : String[]) : void
- get(Key: String, type: String) : Object
+ booleanField(Key: String) : Boolean
+ stringField(Key: String) : String
+ optionField(Key: String) : String
+ realField(Key: String) : Double
+ integerField(Key:String) : Integer
+ parse(clear: boolean) : form
+ clear() : void
+ confirm(promp: String) : Boolean
+ requestInteger(promp: String) : Integer
+ requestReal(promp: String) : Double
+ requestString(promp: String) : String
+ requestOption(promp: String, options: String[]) : String

<>
Command Exception

DoOpenMenu

CompositePrintStream

- _error : boolean

+ add(ps:PrintStream) : void

T: Class

<<interface>>
Predicate

«abstract» Command

«Receiver : Class»

- -_last : boolean
- -_title : String
- #_receiver : Receiver

- + title() : String
- +isLast() : 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
- +addOptionField(Key: String, prompt: String, options: String[]): void
- +booleanField(Key: String): Boolean
- +realField(Key: String): Double
- +integerField(Key: String): Integer
- +stringField(Key: String): String
- ·optionField(Key: String): String
- + performCommand() : void
- +«abstract» execute() : void

Menu

- -_title : String

- +title() : String
- +size() : int
- +entry(n:int) : Command<?>
- +entries() : Command<?>
- +open() : void

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

Ana Margarida Almeida
grupo 72

Dialog

- ACTION_CHANNEL : String = "ui"
- CHANNEL_SWING : String = "~~new~~swing"
- CHANNEL_NEW_SWING : String = "newswing"
- CHANNE_TEXT : String = "text"

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

Text Interaction

- _writeInput : boolean

+ close():void
+ open(menu:Menu):void
+ fill(form : Form):void
+ render(title:String, text:String):void
- readString(promp:String): String
- <<final>> readInteger(promp:String):int

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(toPop Object):void
+ popup(toPop: Collection<?>):void
+ clear():void