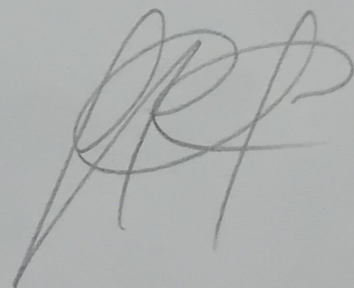


Declaro pela minha honra que este
diagrama foi realizado apenas pelo elemento
que constitui o grupo

Francisco Pestana
IST 109625

A stylized handwritten signature, likely of Francisco Pestana, consisting of several overlapping loops and a long horizontal stroke at the bottom.

Dialog

- <<find>> ACTION_CHANNEL: String
- <<find>> CHANNEL_SWING: String
- <<find>> CHANNEL_NEW_SWING: String
- <<find>> CHANNEL_TEXT: String

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

Display

- title: String

- + add(toAdd: Object): Display
- + addAll(items: Collection[]): Display
- + addLine(toAdd: Object): Display
- + addNewLine(toAdd: Object, force: boolean): Display
- + display(): void
- + displayText(): void
- + refresh(topop: Object): void
- + refresh(topop: Collection): void
- + clear(): void

<<interface>>

Interaction Driver

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

Field Integer

- + parse(in: String): boolean

Field None

- + parse(in: String): boolean

Field Real

- + parse(in: String): boolean

Field String

- + parse(in: String): boolean

Field Option

- option: String[]
- + parse(in: String): boolean

Field

- 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

No Open Menu

- # <<find>> execute(): void

Field Boolean

- <<find>> BOOLEAN_WORD_YES: String
- <<find>> BOOLEAN_WORD_NO: String
- <<find>> BOOLEAN_CHAR_YES: String
- <<find>> BOOLEAN_CHAR_NO: String

- + parse(in: String): boolean

<<abstract>>

Command

- _port: boolean

- _title: String

_receiver: Receiver

+ title(): String

+ isPort(): 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

Composite Print Stream

- _error: boolean

+ add(ps: PrintStream): void

+ close(): void

+ checkError(): boolean

+ flush(): void

setError(): void

For class Composite Print Stream, different versions of methods print and write have been omitted since they are inherited from PrintStream.

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
 + addDoubleField(Key: String, label: String): void
 + addIntegerField(Key: String, label: String): void
 + addOptionField(Key: String, label: String, option: 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(): Form
 + parse(clear: boolean): Form
 + clear(): void
 + confirm(prompt: String): Boolean
 + requestInteger(prompt: String): Integer
 + requestReal(prompt: String): Double
 + requestString(prompt: String): String
 + requestOption(prompt: String, option: String...): String

Menu

- title: String

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

Test Interaction

- writeInput: boolean

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