InteracionUsingSwing

Interaction

InteractionUsingText

SwingPanel

InteractionUsingApplet

Applet Panel

Form

Dialog

Menu

Display

Command

«throws»

Validity Predicate

Dialog Exception

SwingPanel

- ~_opt : int
- -_end : boolean
- -_ins : Map<Input<?>, JTextField>

- +actionPerformed (ActionEvent evt): void
- -«synchronized» sleep (int n): void
- -«synchronized» await (): void
- -option (): int
- -parse (): boolean

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<> Input

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

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

Input Float

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

«bind»
Type → Float

Input Integer

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

«bind»
Type → Integer

Input None

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

«bind»
Type → void

Input String

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

«bind»
Type → String

Input Boolean

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

«bind»
Type → boolean

<> Command

```
- _last : boolean
- _title : String
# _receiver : Receiver = null
```

```
+ isLast () : boolean
+ isValid () : boolean
+ <<final>> title () : String
+ <<final>> perform_command () : void
+ <<abstract>> execute () : void
```

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Form

- _title : String
- _entries : List<Input<?>> = new ArrayList<Input<?>>()

+ title() : String
+ entries() : Collection<Input<?>>
+ entry (int i) : Input<?>
+ add (Input<?> in) : <T>Input<T>
+ addBooleanInput (String label) : Input<Boolean>
+ addStringInput (String label) : Input<String>
+ addFloatInput (String label) : Input<Float>
+ addIntegerInput (String label) : Input<Integer>
+ parse () : void
+ parse (clear : boolean) : void
+ clear () : void

Display

- _title : String = ""
- _text : String = ""

+ add (String text) : Display
+ addLine (String text) : Display
+ addNewLine (String text, boolean parse) : Display
+ getTitle () : String
+ getText () : String
+ display (boolean parse) : void
+ display () : void
+ popup (Object toPop) : void

Dialog

+ setTitle (String title) : void
+ menu (Menu menu) : void
+ form (Form form) : void
+ message (Display d) : void
+ close () : void

Menu

- _title : String

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

<>
Dialog Exception

+ <> getMessage () : void

<>
Validity Predicate

_receiver : Receiver

+ <> isValid () : boolean

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Interaction Using Swing

+close(): void

+menu(Menu m): void

+form(Form f): void

+message(Display d): void

-message(String s, String title): void

<<interface>>
Interaction

+menu(Menu menu): void

+form(Form form): void

+message(Display display): void

+setTitle(String title): void

+close(): void

Interaction Using Text

-_in: BufferedReader = new BufferedReader(new InputStreamReader(System.in))

-_out: PrintStream = System.out

-_log: PrintStream = null

-_writeInput: boolean

+closeDown(): void

+menu(Menu m): void

+form(Form form): void

+message(Display display): void

+setTitle(String title): void

+close(): void

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

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