Methods "equals" and "toString" have been omitted since they are inherited from Object. Getters, and setters, have also been omitted. class serial numbers for serialization have also been omitted. Classes Message, Messages, Prompt and Properties have also been omitted.

Declaro por minha honra que este diagrama foi realizado apenas pelos elementos do projeto [Yearclasses] se constituirem o grupo 10325 ...

Hernando Dutka
199235

pt.tecnico.uilib.forms

FieldBoolean	FieldInteger	FieldNone	RedOption	FieldReal	FieldString
<<bind>> Type→Boolean	<<bind>> Type→Integer	<<bind>> Type→void	<<bind>> Type→String	<<bind>> Type→Double	<<bind>> Type→String

FormException

Field <> — Type: Class

Form — _fields — *

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<<interface>> AutoCloseable

Display — _vi

Dialog — _extend

<<interface>> InteractionDriver

RuntimeException

Exception

BufferedReader

IOException

pt.tecnico.uilib.txt

TextInteraction — _in — <<throws>> — _log — _out

RuntimeEOFException

CompositePrintStream — _streams

PrintStream — #

Menu — _vi — _commands

Command <> — Receiver: Class — <<final>>_display — <<final>>_form

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DoOpenMenu <<bind>> Receiver→Menu

CommandException — <<throws>>

Predicate — T: Class — #_valid — <<bind>> T→Receiver

Field «abstract» Type: class

```
«abstract»          Type: class
   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
```

FieldBoolean

```
FieldBoolean
─────────────────────────
- «final» BOOLEAN_WORD_YES : String
- «final» BOOLEAN_WORD-NO : String
- «final» BOOLEAN-CHAR_YES : char
- «final» BOOLEAN-CHAR-NO : char
─────────────────────────
+ parse(in:String) : boolean
```

FieldInteger

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

FieldNone

```
FieldNone
─────────────────────────
+ parse (in:String) : boolean
+ isReadOnly() : boolean
```

FieldOption

```
FieldOption
─────────────────────────
+ parse (m:String) : boolean
```

FieldReal

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

FieldString

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

DoOpenMenu

```
DoOpenMenu
─────────────────────────
# «final» execute() : void
```

Form

```
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() : Form
+ parse (clear:boolean) : Form
+ clear() : void
+ requestInteger (prompt:String) : Integer
+ requestReal (prompt:String) : Double
+ requestString (prompt:String) : String
+ requestOption( prompt:String, options:String...) : String
```

«abstract» Receiver: class Command

- -last : boolean
- -title : String
- #«final» -receiver: Receiver

- +«final» title() : String
- +isLast() : boolean
- +is Valid() : boolean
- + addBooleanField (key:String, prompt:String):void
- +add RealField (key:String, prompt:String):void
- + addIntegerField(key:String, prompt:String):void
- + addStringField(key: String, prompt: String):void
- + addOptionField (key:String, prompt:String):void
- + booleanField (key:String, prompt:String, options:String ...) :void
- + realField (key:String): Boolean
- + IntegerField (key:String): Double
- + stringField (key: String): Integer
- + optionField (key:String): String
- +«final» perform (command()):void
- #«abstract» execute() : void

Menu

- --title-. String

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

«interface» InteractionDriver

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

Dialog

- -«final» ACTION-CHANNEL: String
- -«final» CHANNEL-NEW-SWING: String
- -«final» CHANNEL-SWING: String
- -«final» CHANNEL-TEXT: String

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

Composite PrintStream

- -error: boolean

- «final» add (ps: PrintStream): void

TextInteraction

- --Write Input : boolean

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

Display

- -title-.-String
- --text : StringBuilder

- +add (toAdd: Object): Display
- + addALL items (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