Form —fields— * **Field** «abstract»
Receiver → Type

Field Boolean «bind»
Receiver → Boolean

Field Integer «bind»
Receiver → Integer

Field Name «bind»
+ inReadOnly() : boolean
Receiver → Void

Field String «bind»
Receiver → String

Field Real «bind»
Receiver → Double

Menu —commands—

Dialog

Command «abstract»

Display

CommandException

Interaction Driver «interface»

Composite Print Stream

Text Interaction

po - uilib   199194

- Declaro por minha honra que este diagrama foi realizado apenas pelos elementos que constituem o grupo do projeto. (Daniel Pereira)

Display

```
- _ui : Dialog
- _title : String = ""
```
```
+ add ( toAdd : Object ) : Display
+ addAll ( items : Collection <?> ) : Display
+ addLine ( toAdd : Object §, force : boolean ) : Display
+ display () : void
+ popup ( toPop : Object ) : void
+ popup ( toPop : Collection <?> ) : void
+ clear () : void
```

Interaction Driver

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

«abstract» Command Exception

```
- «final» serialversionUID : long
```

Field Boolean

```
~~boolean wordYes~~                                    : String
- § «final» BOOLEAN-WORD-YES = "sim"
- «final» BOOLEAN-WORD-NO : String = "no"
- «final» BOOLEAN-CHAR-YES : char = 'y s'
- «final» BOOLEAN-CHAR-NO : char = 'm'
```

Text Interaction

```
- _in : BufferedReader
- _out : PrintStream
- _log : PrintStream = null
- _writeInput : boolean
```
```
- readString ( prompt : String ) : String
  «final»
- readInteger ( prompt : String ) : int
```

Composite PrintStream

```
- _streams : Collection < PrintStream > = new ArrayList <>()
- _error : boolean = false
+ add ( ps : PrintStream ) : void
```

(top class — unnamed)

- ~ui : Dialog
- - title : String
- - fields : Map < String, Field < ? > >

- + 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
- - 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 (clear : boolean) : Form
- + clear () : void
- + confirm (prompt : String) : Boolean
- + requestInteger (prompt : String) : Integer
- + requestReal (prompt : String) : Double
- + requestString (prompt : String) : String

Field

<>

- - prompt : String
- - clear : boolean
- - value : Type

- + prompt () : String
- + set (value : Type) : void
- + value () : Type
- + clear () : void
- + dirty () : void
- + cleared () : boolean
- + isReadOnly () : boolean

Menu

- ~ui : Dialog
- - title : String
- - commands : Command < ? > []

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

«abstract»
Command

- - _last : boolean
- - _title : String
#«final»
#r_receiver : Receiver
_valid : Predicate<Receiver> = receiver → true
#«final»
#r_form = Form
#«final» - display Display

+ title () : String
+ is last () : boolean
+ is valid () : boolean
+ add Boolean Field (key: String, prompt : String) : void
+ add String Field (key: String, prompt : String) : void
+ add Real Field (key: String, prompt : String) : void
+ add Integer Field (key: String, prompt: String) : void
+ boolean Field (key: String) : Boolean
+ real Field (key: String) : Double
+ integer Field (key: String) : Integer
+ string Field (key: String) : String
«final»
+ perform Command () : void
# execute () : void
«abstract»

Dialog

- *ACTION_CHANNEL : String = "ui"   *«final»
- *CHANNEL_SWING : String = "swing"
- *CHANNEL_NEW_SWING : String = "newswing"
- *CHANNEL_TEXT : String = "text"
- - backend : Interaction Driver

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