



Attributes and methods of each (non-empty) class is represented on the other pages

pt. tecnico. uilib. forms

### Field Boolean

- « final » BOOLEAN - WORD - YES : String
- « final » BOOLEAN - WORD - NO : String
- « final » BOOLEAN - CHAR - YES : String
- « final » BOOLEAN - CHAR - NO : String

### FormException

### FieldOption

- options : String[]

### Form

- \_ui : Dialog
- \_title : String
- \_fields : Map<String, Field<?>>
- + onInit() : 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
- + confirm(prompt : String) : Boolean
- + requestInteger(prompt : String) : Integer
- + requestReal(prompt : String) : Double
- + requestString(prompt : String) : String
- + requestOption(prompt : String, options : String[]) : String

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### CompositePrintStream

- streams : Collection<PrintStream>
- error : boolean
- « final » add(ps : PrintStream) : void

### TextInteraction

- m : BufferedReader
- out : PrintStream
- log : PrintStream
- writeInput : boolean
- readString(prompt : String) : String
- readInteger(prompt : String) : int

### PrintStream EOFException

GRUPO 010:  
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Declaro por minha honra que este diagrama foi realizado apenas pelas elementos que constituem o grupo de projeto

Leonar Azevedo

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### Type: Class

### « abstract » Field

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

### FieldReal

### FieldWord

### FieldString

### FieldInteger

Receiver: Class

<<abstract>>  
Command

```

- _lost: boolean
- _title: String
# <<final>> _receiver: Receiver
# _valid: Predicate < Receiver >
- <<final>> _form: Form
- <<final>> _display: Display
+ 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
+ <<final>> performCommand(): void
# <<abstract>> execute(): void

```

Menu

```

- _ui: Dialog
- _title: String
- _commands: Command<?>[]
+ entry(n: int): Command<?>
+ open(): void

```

&lt;&lt;abstract&gt;&gt;

CommandException

DoOpenMenu

Display

```

- _ui: Dialog
- _title: String
- _text: StringBuilder
+ add(toAdd: Object): Display
+ addAll(items: Collection<?>): Display
+ addLine(toAdd: Object): Display
+ addNewLine(toAdd: Object, force: boolean): Display
+ <<final>> display(): void
+ <<final>> displayText(): void
+ popup(toPop: Object): void
+ popup(toPop: Collection<?>): void
+ clear(): void

```

Dialog

```

- <<final>> ACTION_CHANNEL: String
- <<final>> CHANNEL_SWING: String
- <<final>> CHANNEL_NEW_SWING: String
- <<final>> CHANNEL_TEXT: String
+ ui: Dialog
- _backend: InteractionDriver
+ open(menu: Menu): void
+ fill(form: Form): void
+ render(title: String, text: String): void
+ close(): void

```

&lt;&lt;interface&gt;&gt;

InteractionDriver

```

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

```

Methods "equals" and "toString" have been omitted since they inherit from Object. Getters and setters have also been omitted. Class serial number for serialization has also been omitted. Classes Message, Prompt and Property have been omitted as well since they represent bags of global functions or variables and are never instantiated as normal concept classes.