

pt. tensio . util . forms

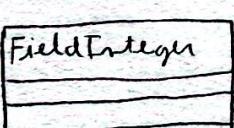
«abstract» Field

```
- - prompt : String  
- - clear : boolean  
- - value : Type  
  
+ prompt() : String  
+ set( value: Type) : void  
+ value() : void  
+ clear() : void  
+ dirty() : void  
+ cleared() : boolean  
+ isReadOnly() : boolean  
+ «abstract» parse( inString) : boolean  
+ toString() : String
```

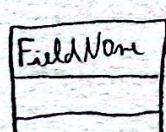
Field Boolean

```
- <final> BOOLEAN - WORD - YES : string = "nim"  
- <final> BOOLEAN - WORD - NO : string = "moa"  
- <final> BOOLEAN - CHAR - YES : char = "n"  
- <final> BOOLEAN - CHAR - NO : char = 'm'
```

Field Integer



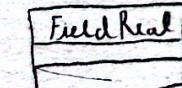
Field None



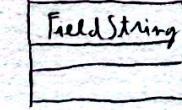
Field Option

```
- - option : String[]
```

Field Real



Field String



Form Exception

```
- <final> serialVersionUID : long = 202070272136L
```

## Form

```
- _ui: Dialog  
- _title: String  
- _field : Map<String, Field<?>>  
  
+ title(): String  
+ entries(): Collection<Field<?>>  
+ field(key: String): Field<?>  
+ add(key: String, in: Field<?>)  
+ 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, 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  
+ form(): Form  
+ parse(clear: Boolean): Form  
+ clear(): void  
+ <<static>> confirm(prompt: String): Boolean  
+ <<static>> requestInteger(prompt: String): Integer  
+ <<static>> requestReal(prompt: String): Double  
+ <<static>> requestString(prompt: String): String  
+ <<static>> requestOption(prompt: String, option String...): String
```

## &lt;&lt; abstract &gt;&gt; Command

- \_lost : boolean
- \_title : String
- # < final > - \_receiver : Receiver
- # < final > - \_valid : Predicate < Receiver > = receiver → true
- < final > - \_form : Form
- # < final > - \_display : Display

- + < final > title() : String
- + isLost() : boolean
- + isValid() : boolean
- + addBooleanField (Key : String, prompt : String) : void
- + addStringField (Key : String, prompt : String) : void
- + addRealField (Key : String, prompt : String) : void
- + addIntegerField (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

## DoOpenMenu

## &lt;&lt; abstract &gt;&gt; CommandException

- &lt; final &gt; serialVersionUID : long = 202010150838L

+ &lt; final &gt; toString() : String

## Menu

- \_ui : Dialog
- \_title : String
- \_commands : Command< ? > [ ]

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

## CompositePrintStream

```

- streams : Collection<PrintStream>
- error : boolean

+ add(ps:PrintStream) : void
+ checkError() : boolean
+ close() : void
+ flush() : void
+ print(b: boolean) : void
+ print(c: char) : void
+ print(c: char[]) : void
+ print(d: double) : void
+ print(f: float) : void
+ print(i: int) : void
+ print(l: long) : void
+ print(obj: Object) : void
+ print(str: String) : void

+ println(b: boolean) : void
+ println(c: char) : void
+ println(c: char[]) : void
+ println(d: double) : void
+ println(f: float) : void
+ println(i: int) : void
+ println(l: long) : void
+ println(obj: Object) : void
+ println(str: String) : void

# setError() : void
+ write(buf: byte[], off: int, len: int) : void
+ write(b: int) : void
+ write(b: byte[]) : void

```

## RuntimeException

```
- final serialVersionUID: long = 200610291655L
```

## TextInteraction

```

- _in: BufferedReader
- _out: PrintStream
- _log: PrintStream
- writeInput: boolean

+ close() : void
+ fill(form: Form) : void
+ render(t: Title; String text; String) : void
+ readString(prompt: String) : String
+ readInteger(prompt: String) : int

```

## Dialog

```
-<final> ACTION_CHANNEL: String = "ui"  
-<final> CHANNEL_SWING: String = "swing"  
-<final> CHANNEL_NEWSWING: String = "newswing"  
-<final> CHANNEL_TEXT: String = "text"  
+ UI: Dialog  
- _backend: InteractionDriver  
+ open(menu: Menu): void  
+ fill(form: Form): void  
+ render(title: String, text: String)  
+ close(): void
```

## 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
```

## «Interface» InteractionDriver

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

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

Guilherme Augusto Arroso Filipe

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

José Mário