

(008) Declaro por minha honra que este diagrama é da autoria do nosso grupo. Declaro por minha honra que este diagrama é da autoria do nosso grupo.

```

<<abstract>>
Command
--last: boolean
--title: String
#<<final>> - receiver: Receiver
#<<final>> - valid: Predicate<Receiver>
--<<final>> - form: Form
#<<final>> - display: Display
+<<final>> title(): String
+islast(): boolean
+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, options: String...): void
+booleanField(key: String): boolean
+realField(key: String): Double
+integerField(key: String): String
+stringField(key: String): String
+stringOptional(key: String): String
+<<final>> performCommand(): void
#<<abstract>> execute(): void
+<<final>> performCommand(): void

```

```

<<abstract>>
CommandException
--<<final>> serialVersionUID: long

```

```

doOpenMenu
#<<final>> execute: void

```

```

Menu
--ui: Dialog
--title: String
--commands: Command[]
+title(): String
+size(): int
+entry(n: int): Command
+entries(): Command[]
+open(): void

```

```

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

```

```

RuntimeEOFException
<<final>> serialVersionUID: long

```

```

TextInteraction
--writeInput: boolean
+close(): void
+open(menu: Menu): void
+render(title: String, text: String): void
+fill(form: Form): void
--<<final>> readString(prompt: String): String
--<<final>> readInteger(prompt: String): Integer

```

```

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

```

```

Display
--ui: Dialog
--title: String
--text: String Builder
+add(toAdd: Object): Display
+addAll(items: Collection<?>): Display
+addLine(toAdd: Object): Display
+addNewline(toAdd: Object, force: boolean): Display
+display(): void
+popup(toPop: Collection<?>): void
+clear(): void

```

```

<<interfaces>>
InteractionDriver
+open(menu: Menu): void
+fill(form: Form): void
+render(title: String, text: String): void
+close(): void

```



```

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

```

```

FieldReal
+ parse(in: String): boolean

```

```

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
+ parse(in: String): boolean

```

```

FieldString
+ parse(in: String): boolean

```

```

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

```

```

FieldOption
- -options: String[]
+ parse(in: String): boolean

```

```

FormException

```

```

Form
- -ui: Dialog
- -title: String
- -fields: Map<String, Field<?>>
+ title(): String
+ entries(): Collection
+ 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
+ clear(): void
+ parse(clear: boolean): Form
+ confirm(prompt: String): boolean
+ requestInteger(prompt: String): Integer
+ requestReal(prompt: String): Double
+ requestString(prompt: String): String
+ requestOption(prompt: String, options: String...): String

```

(008) Declaro por minha honra que este diagrama é do autor do nosso grupo. Duarte Lima  
Declaro por minha honra que este diagrama é da autoria do nosso grupo. Eduardo Silva



(008) Declaro por minha honra que este diagrama é da autoria do nosso grupo. Dante Lima  
Eduardo Silva  
Declaro por minha honra que este diagrama é da autoria do nosso grupo.

