



The following have been omitted from this diagram: getters and setters, `toString()` and equals methods, classes named `Message`, `Prompt` or `Property`.

The specifics of each class and interface are represented on the following pages of this document.

Declaro por minha honra que este diagrama foi realizado apenas pelos membros que constituem o grupo do projeto: Flávia João Rosa

GRUPO 061 (1st1102506 e int1103345)

Alcaine

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

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

DoOpenMenu
<<final>> execute(): void

<<abstract>> CommandException

FormException

<<abstract>> Field <Type>
- _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
- <<final>> BOOLEAN_WORD_YES: String
- <<final>> BOOLEAN_WORD_NO: String
- <<final>> BOOLEAN_CHAR_YES: String
- <<final>> BOOLEAN_CHAR_NO: String
+ parse(in: String): boolean

Display
- _title: String
- _text: StringBuilder
+ add(toAdd: Object): Display
+ addAll(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

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

<<abstract>> Command
- _lost: boolean
- _title: String
<<final>> _receiver: Receiver
_valid: Predicate<Receiver>
+ <<final>> title(): String
+ isLost(): 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, prompt: 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

FieldInteger
+ parse(in: String): boolean

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

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

FieldReal
+ parse(in: String): boolean

FieldString
+ parse(in: String): boolean

Form

```

- _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
+ addOptionField(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
    
```

Composite PrintStream

```

- _error: boolean
+ <<final>> add(ps: PrintStream): void
    
```

Runtime EOFException

Text Interaction

```

- in: BufferedReader
- writeInput: boolean
- <<final>> readString(prompt: String): String
- <<final>> readInteger(prompt: String): int
    
```