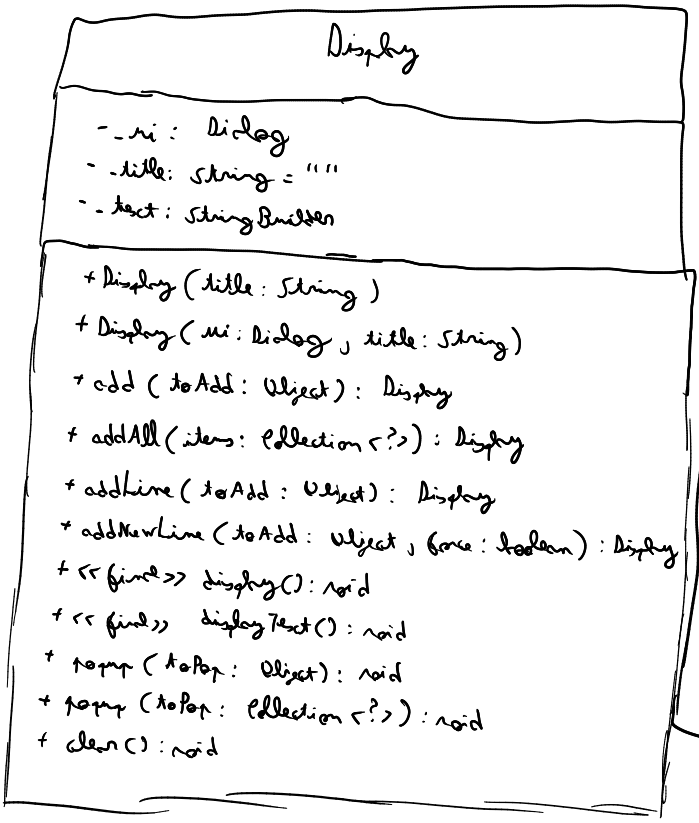
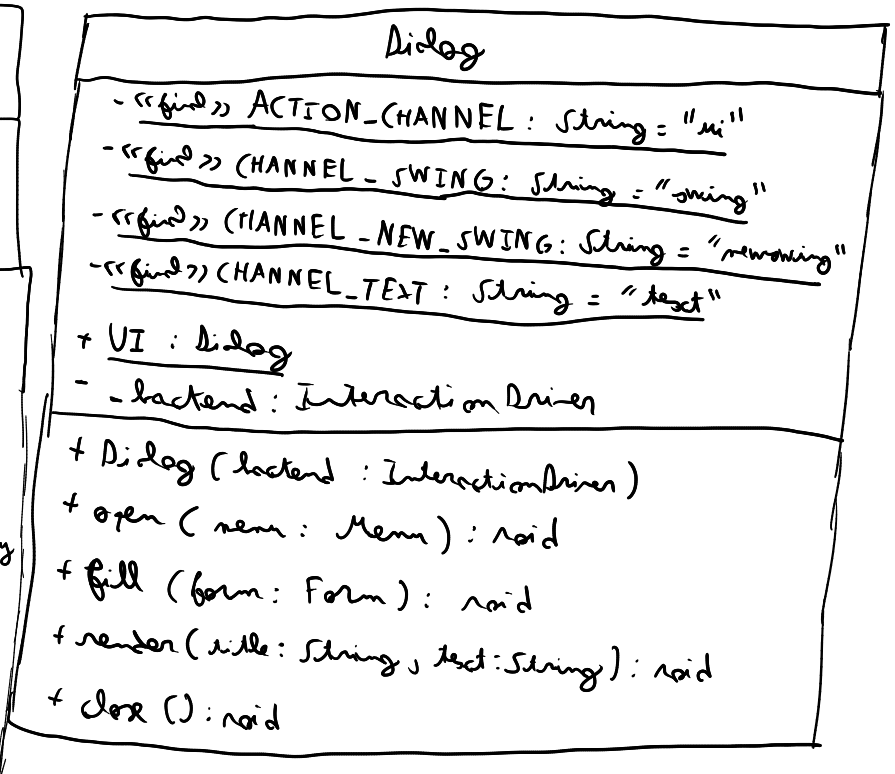
1 - Descrição das classes

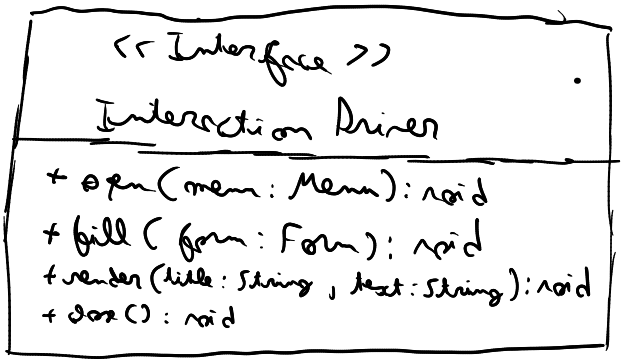
Classes Label, Message and Prompt (from the mios package) have been omitted since they represent bags of global functions or variables and are never instantiated as normal concept classes.

Constructors with no arguments, abstract methods or interface methods implementations, and other possibly inherited methods have been omitted

1.1. técnico . utilit







pt.tecnico.milib.menus

Menu

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

+ Menu(mi : Dialog, title : String, commands : Command<?>...)
+ Menu(title : String, commands : Command<?>...)
+ title() : String
+ size() : int
+ entry(n : int) : Command<?>
+ entries() : Command<?>[]
+ open() : void

DoOpenMenu

<<find>> execute() : void

Receiver : Class

<<abstract>> Command

- _last : boolean
- _title : String
<<find>> _receiver : Receiver
_valid : Predicate<Receiver>
- <<find>> _form : Form
<<find>> _display : Display

+ Command(last : boolean, title : String)
+ Command(last : boolean, title : String, receiver : Receiver)
+ Command(last : boolean, title : String, receiver : Receiver, valid : Predicate<Receiver>)
+ Command(title : String, receiver : Receiver)
+ Command(title : String, receiver : Receiver, valid : Predicate<Receiver>)
+ 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, 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
+ <<find>> performCommand() : void
# <<abstract>> execute() : void

Exceptions:

CommandException

pt.tecnico.ulisb.forms

Form

- _ui : Dialog
- _title : String
- _fields : Map<String, Field<?>>

+ Form(title:String)
+ Form(ui: Dialog, title:String)
+ title() : String
+ entries() : Collection<Field<?>>
- add(key: String, in: Field<?>): void
+ addBooleanField(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

Field<Type : Object>

<<abstract>>

- _prompt : String
- _clear : boolean
_value : Type

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

FieldBoolean

- <<final>> BOOLEAN_WORD_YES : String = "sim"
- <<final>> BOOLEAN_WORD_NO : String = "não"
- <<final>> BOOLEAN_CHAR_YES : char = 's'
- <<final>> BOOLEAN_CHAR_NO : char = 'n'

FieldBoolean(prompt: String)

FieldOption

- _options : String[]

FieldOption(prompt: String, options: String[])

FieldReal

FieldReal(prompt: String)

FieldInteger

FieldInteger(prompt: String)

Exceptions:

FormException

FieldNone

FieldNone(prompt: String)
+ isReadOnly() : boolean

FieldString

FieldString(prompt: String)

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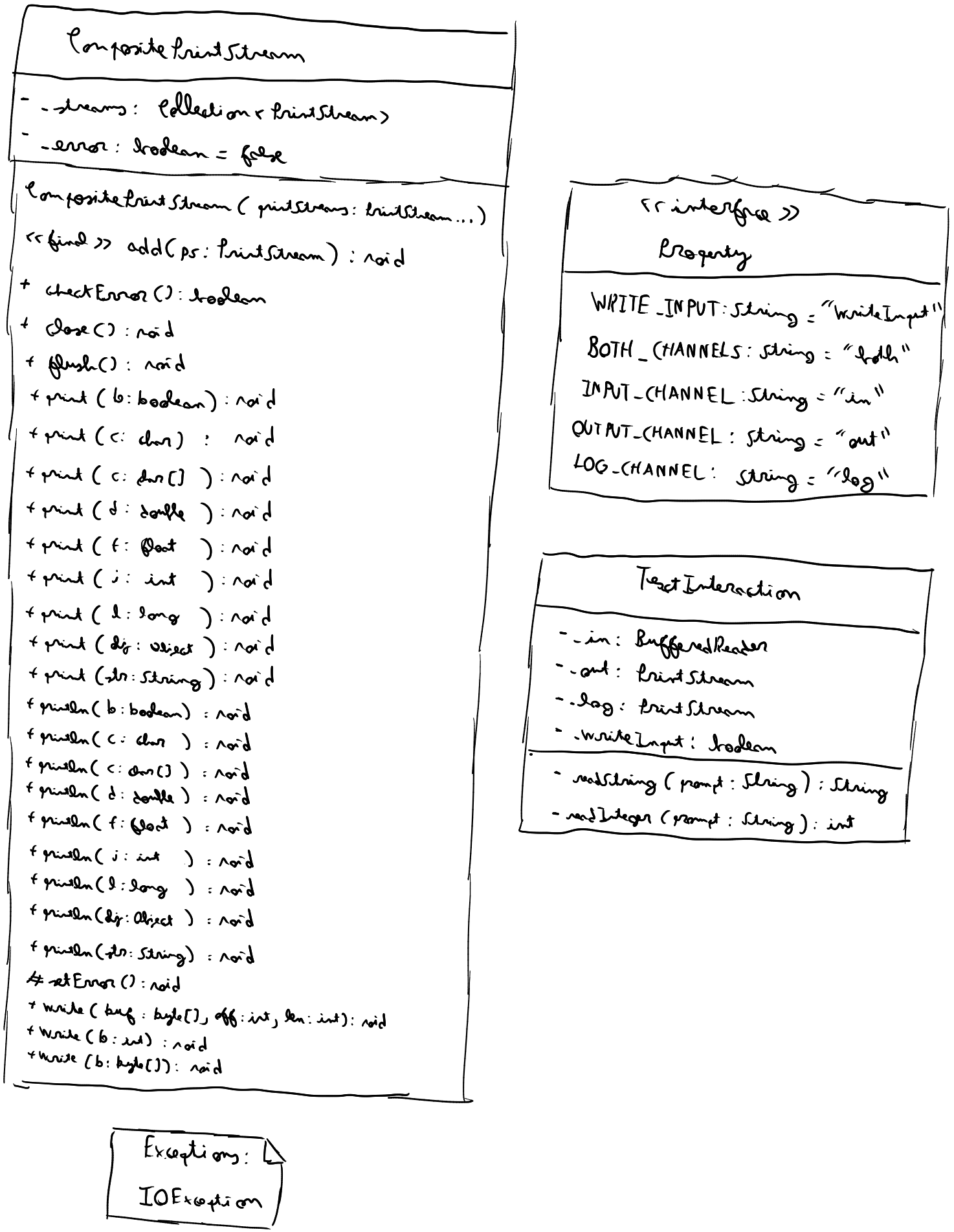
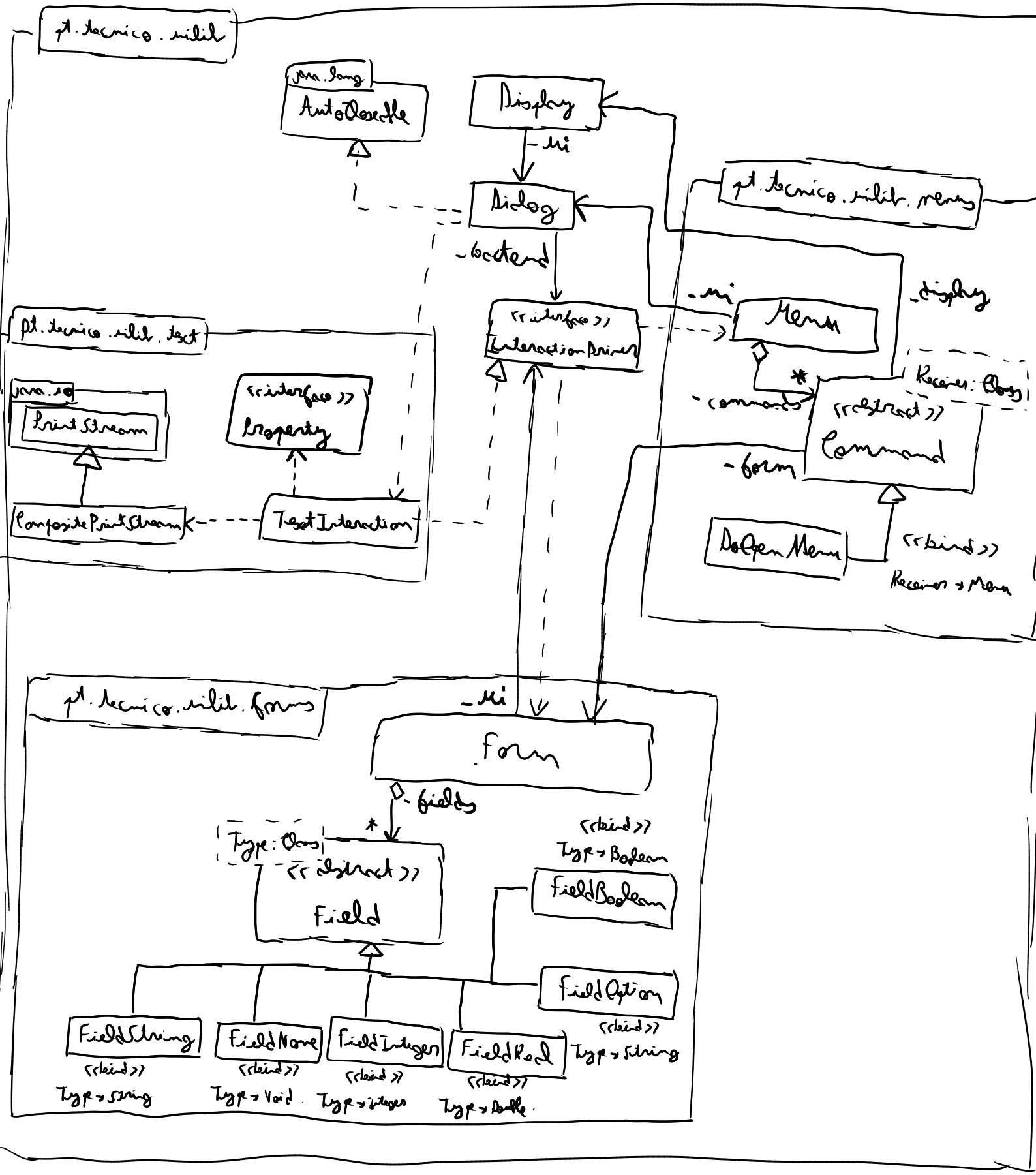


2 - Gráfico UML

only java classes that have been extended or implemented are explicitly represented



Declaro por minha honra que este diagrama foi realizado apenas pelos elementos que constituem o grupo: João Fernandes