

pt.tecnico.uilib.forms

**<<abstract>>
Field<Type>**

- _prompt: String
- _clear: boolean
_value: Type

+ prompt(): String
+ clear(): void
dirty(): void
+ isReadOnly(): boolean
+ <<abstract>> 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

FormException

<<final>> serialVersionUID: long

Form

+ 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, 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, option: String[]): String

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

FieldOption

- _options: String[]

FieldReal

FieldString

FieldInteger

FieldNone

Form

+ field: type

+ method(type): type

<<abstract>>
Command<Receiver>

- _last: 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

<<abstract>>
CommandException

- <<final>> serialVersionUID: long

DoOpenMenu

CompositePrintStream

- _streams: Collection<PrintStream>
- _error: boolean

<<final>> add(ps: PrintStream): void

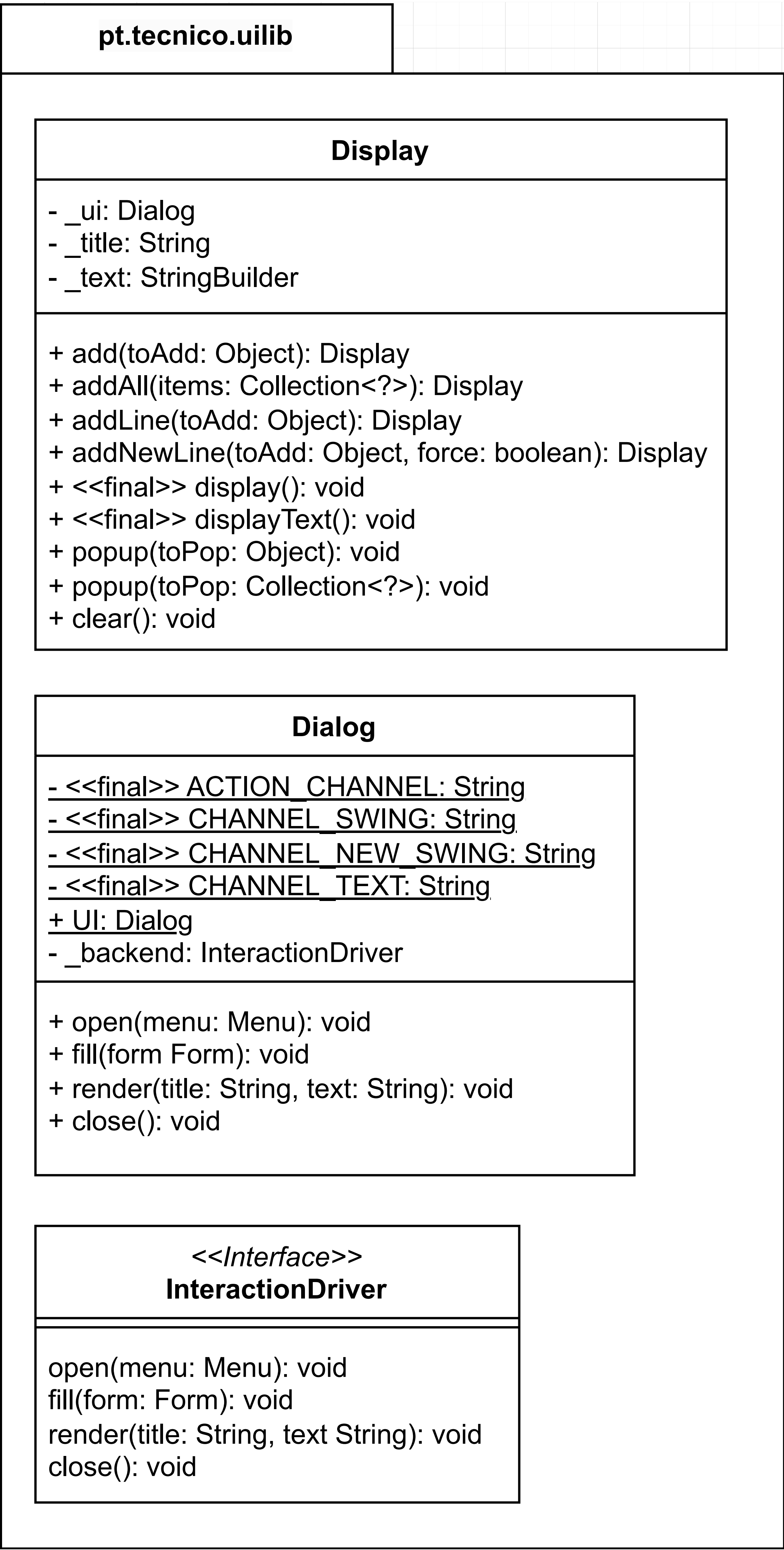
TextInteraction

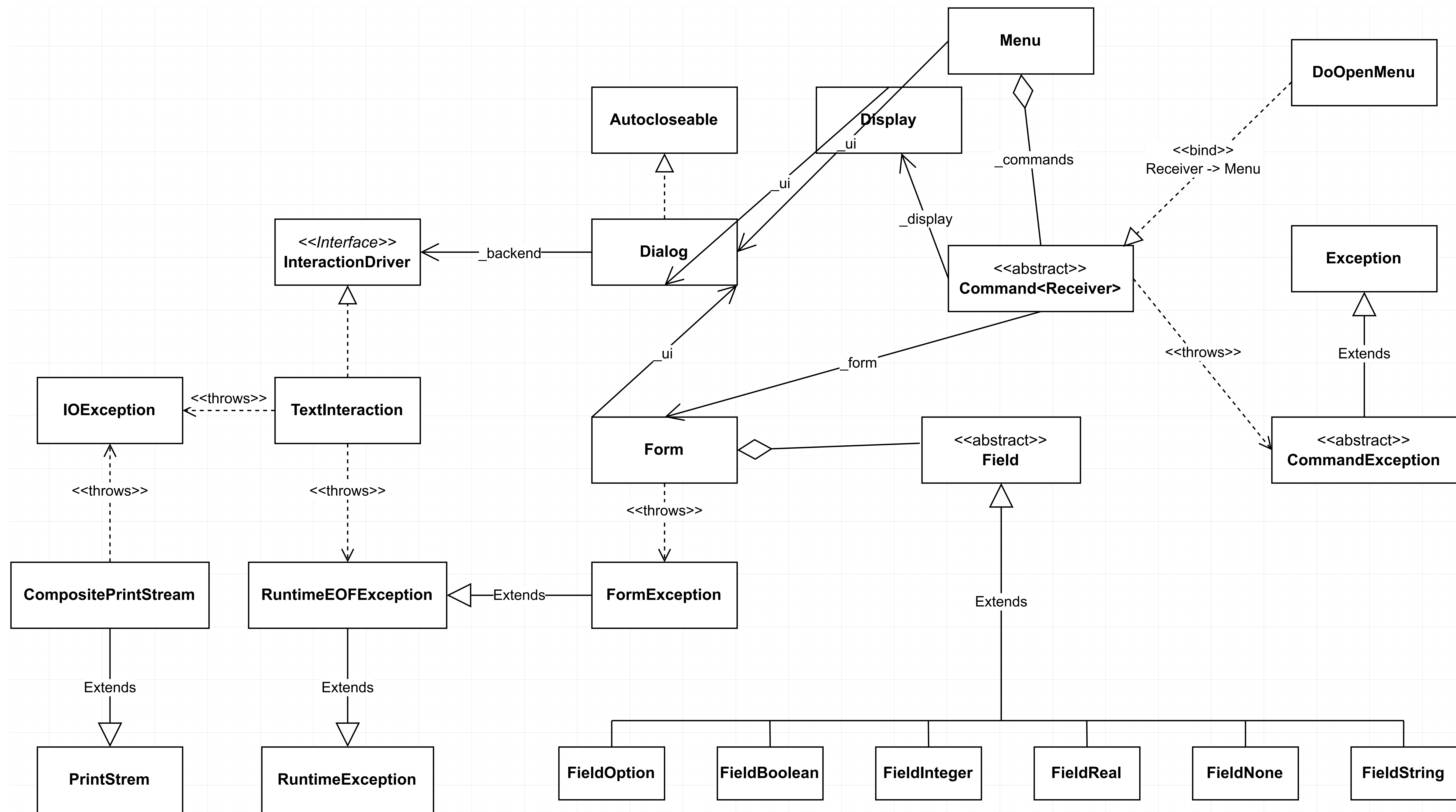
- _in: BufferedReader
- _out: PrintStream
- _log: PrintStream
- _writeInput: boolean

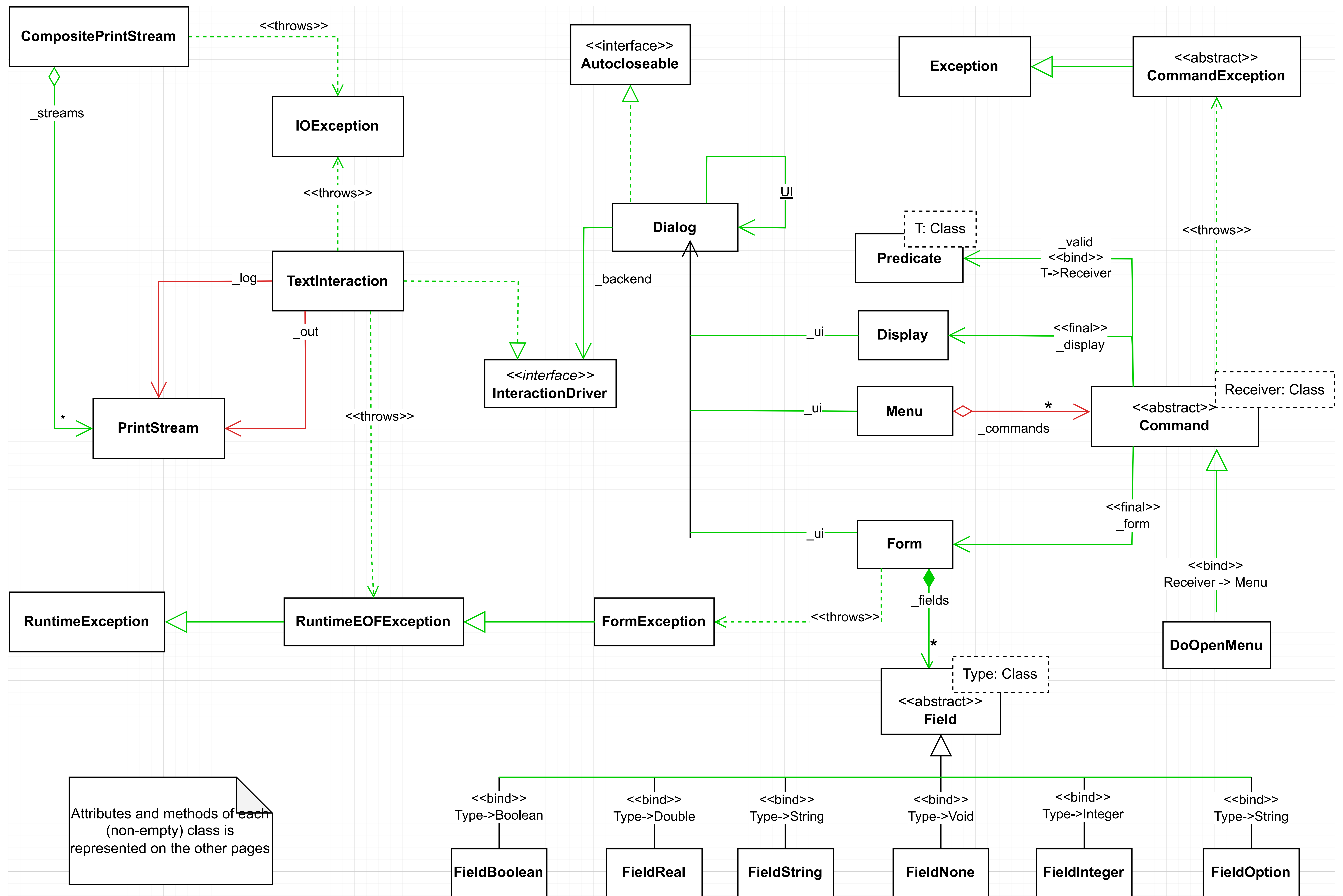
- readString(prompt: String): String
- readInteger(prompt: String): int

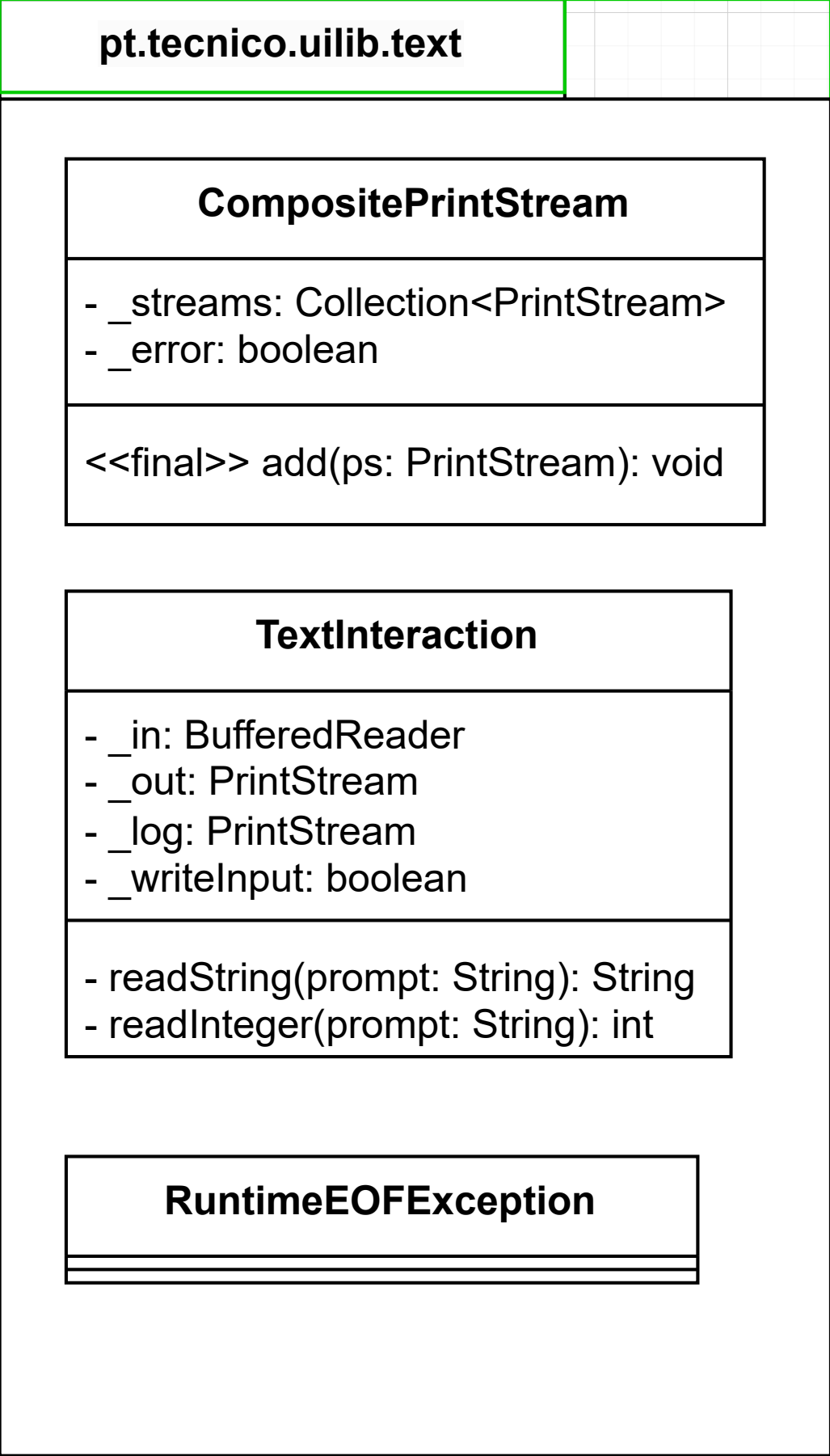
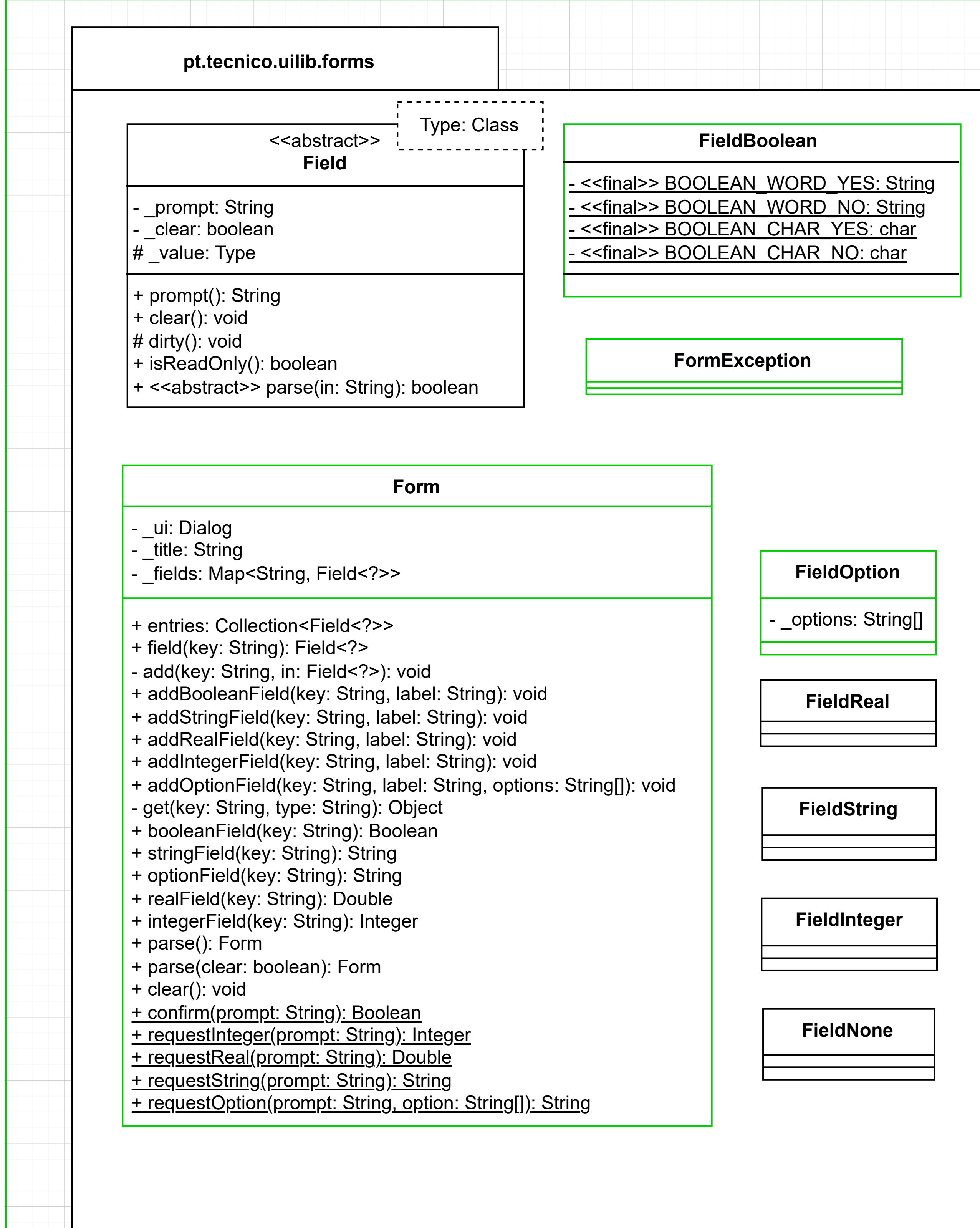
RuntimeEOFException

<<final>> serialVersionUID: long





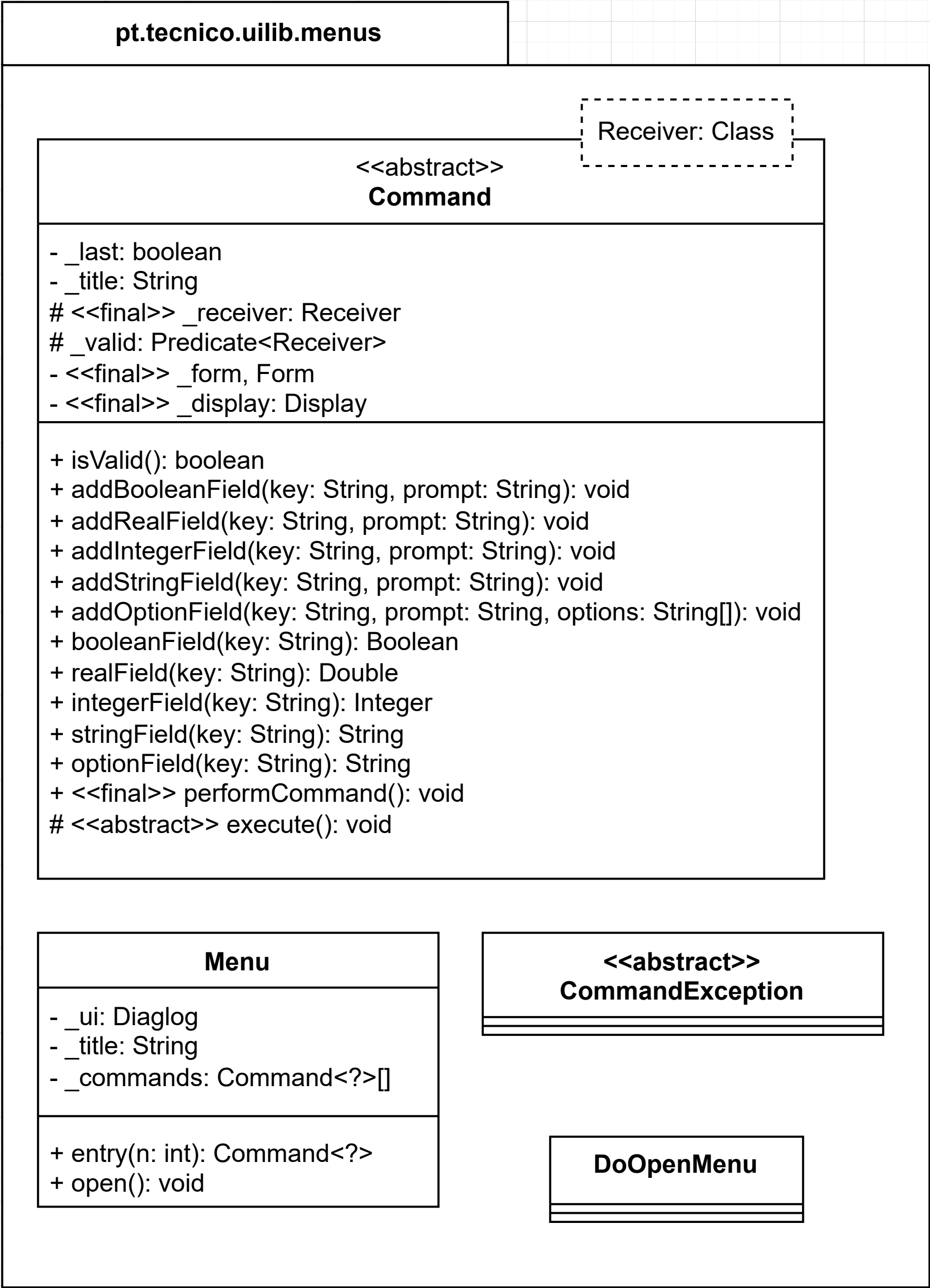




Grupo 020:
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Madalena Yang

Declaro por minha honra que este diagrama
foi realizado apenas pelos elementos que
constituem o grupo de projecto. (assinatura)

Declaro por minha honra que este diagrama foi
realizado apenas pelos elementos que constituem
o grupo de projecto. (assinatura)



Methods "equals" and
"toString" have been omitted
since they inherited from
Object. Getters, and setters,
have also been omitted. Class
serial number for serialization
have 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.

