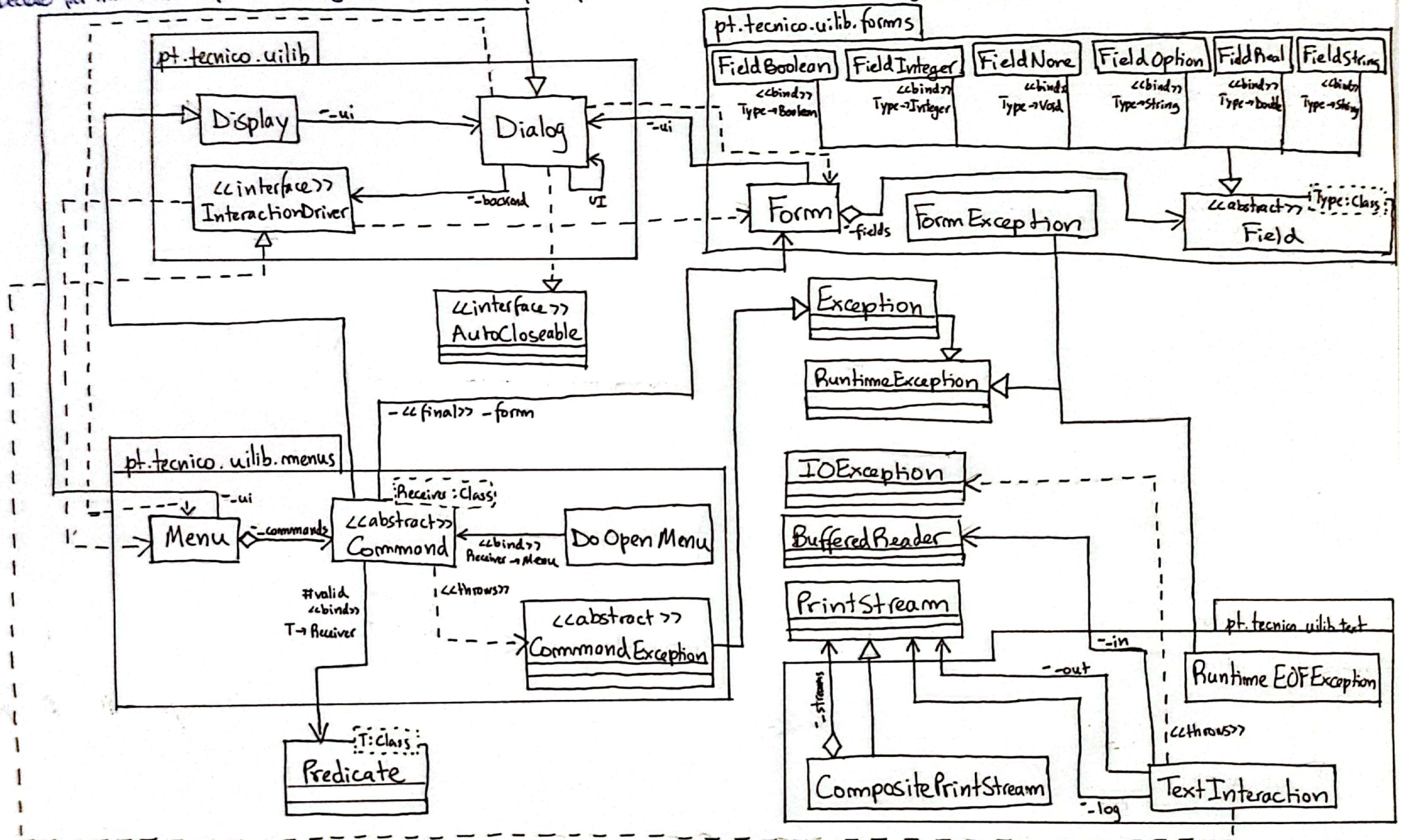


Declaro por minha honra que este diagrama foi realizado apenas pelos elementos que constituem o grupo de projeto. Filipe Oliveira ist1110633 Grupo 122
 Declaro por minha honra que este diagrama foi realizado apenas pelos elementos que constituem o grupo de projeto. Eduardo Ferrandes ist1110628



Methods "equals" and "toString" have been omitted (since they are inherited from object), as well as getters and setters. Class serial numbers have also been omitted. Classes Message, Prompt and Property have been omitted as well, since they are specific to the implementation and not relevant for the overall structure of the project

Fields and methods of each (non-empty) class is represented on the following pages of this document.

<<abstract>> ^{Type: Class} Field <T>	
- - 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	

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

DoOpenMenu
<<final>> execute(): void

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

Form
- - title: String
+ 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, 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

Field Integer
+ parse(in: String): boolean

Field None
+ parse(in: String): boolean

Field Real
+ parse(in: String): boolean

Field String
+ parse(in: String): boolean

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

Composite Print Stream
- - error: boolean
+ <<final>> add(ps: PrintStream): void

Text Interaction
- - writeInput: boolean
+ close(): void
+ open(menu: Menu): void
+ fill(form: Form): void
+ render(title: String, text: String): void
- readString(prompt: String): String
- read Integer(prompt: String): int

+ requestReal (prompt String) : Double
 + request String (prompt String) : String
 + request Option (prompt : String , options : String []) : String

```

<<Interface>>
InteractionDriver

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

Receiver : class

<<abstract>>
 Command

- last : boolean
 - title : String
 # <<final>> - receiver : Receiver

+ <<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 , 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

Display

- title : String
 - text : String Builder

+ 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

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