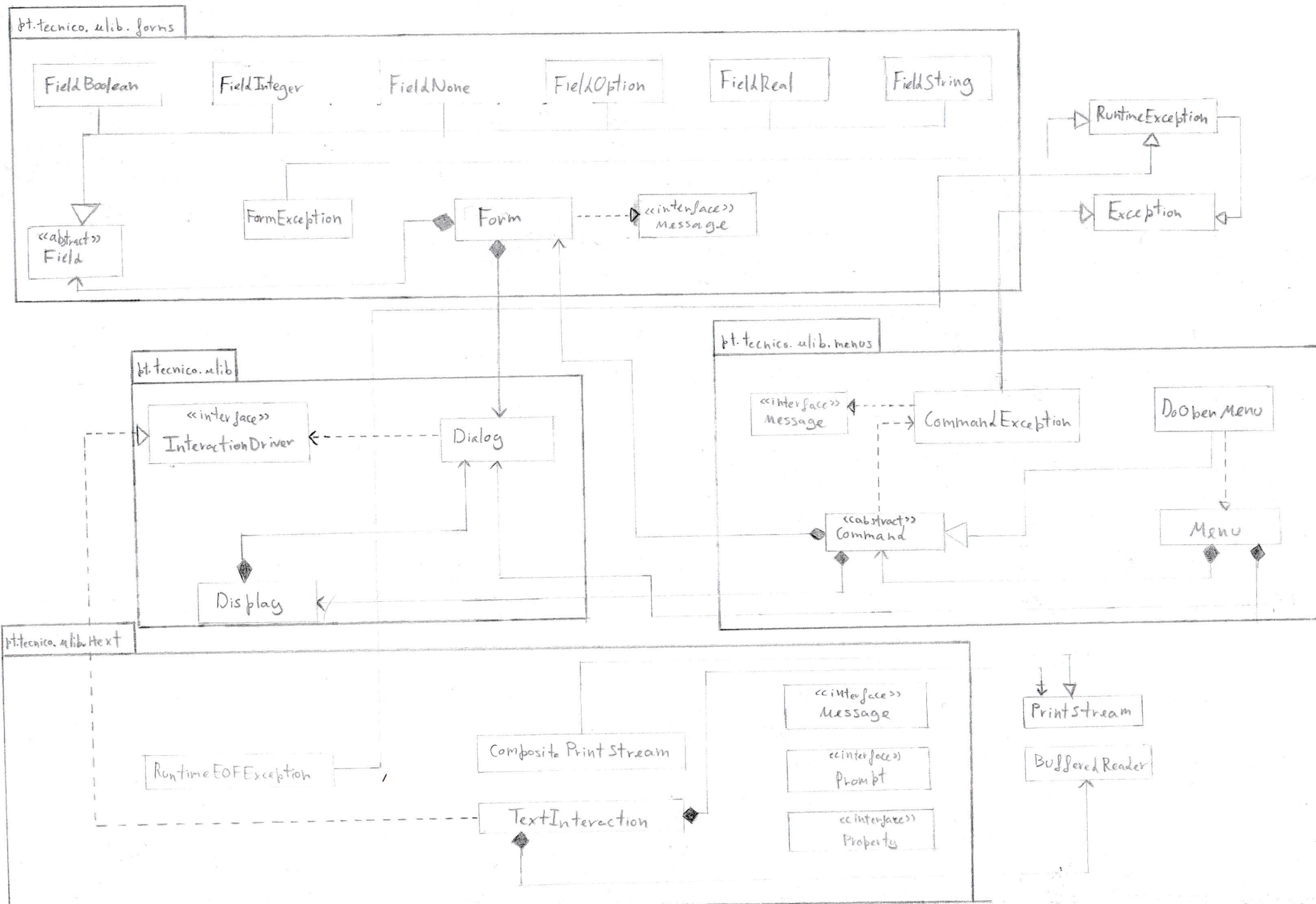


Declaro por minha honra que este diagrama foi realizado apenas pelos elementos que constituem o grupo de projeto: Bruno Silva



«abstract»
Field

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

Dialog

- «final» ACTION_CHANNEL: String = "ui"
- «final» CHANNEL_SWING: String = "swing"
- «final» CHANNEL_NEW_SWING: String = "newswing"
- «final» CHANNEL_TEXT: String = "text"
+ UI: Dialog
- backend: InteractionDriver
- Dialog()
+ Dialog(backend: InteractionDriver)
+ open(menu: Menu): void
+ fill(form: Form): void
+ render(title: String, text: String): void
+ close(): void

Field Boolean

- «final» BOOLEAN_WORD_YES: String = "Sin"
- «final» BOOLEAN_WORD_NO: String = "nao"
- «final» BOOLEAN_CHAR_YES: String = 's'
- «final» BOOLEAN_CHAR_NO: char = 'n'
~ Field Boolean(prompt: String)
+ parse(in: String): boolean

Field Integer

~ Field Integer(prompt: String)
+ parse(in: String): boolean

Field None

~ Field None(prompt: String)
+ parse(in: String): boolean
+ isReadOnly(): boolean

«interface»
InteractionDriver

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

«interface»
Message

+ operationFailed(error: String): String

Field Option

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

Menu

- m: Dialog
- title: String
- commands: Command<?>[]
+ Menu(m: Dialog, title: String, commands: Command<?>...)
+ Menu(title: String, commands: Command<?>...)
+ size(): int
+ entity(n: int): Command<?>
+ open(): void

Field Real

~ Field Real(prompt: String)
+ parse(in: String): boolean

Field String

~ Field String(prompt: String)
+ parse(in: String): boolean

DoOpenMenu

+ DoOpenMenu(label: String, receiver: Menu)
«final» execute(): void

«abstract»
Command (Receiver)

- last: boolean
- title: String
receiver: Receiver
valid: Predicate<Receiver>
- «final» _form: Form
«final» _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>)
+ 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 throws CommandException

Form
- mi: Dialog - title: String - fields: Map<String, Field<?>>
+ Form() + Form(title: String) + Form(mi: Dialog, title: String) + addBooleanField(key: String, label: String): void + addStringField(key: String, label: String): void + addRealField(key: String, label: String): void + addIntegerField(key: String, label: String): void + addIntegerField(key: String, label: String, options: String...): void + addOptionField(key: String, label: String, options: String...): void + 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

<<interface>> Message
+ keyAlreadyExists(form: String, key: String): String + formNotFilled(form: String): String + keyNotFound(form: String, key: String): String + typeMismatch(form: String, key: String, actualType: String, requestedType: String): String

Display
- mi: Dialog - title: String = "" - text: String Builder
+ Display() + Display(title: String) + Display(mi: Dialog, title: String) + add(toAdd: Object): Display + addAll(items: Collection<?>): Display + addLine(toAdd: Object): Display + addNewLine(toAdd: Object, force: boolean): Display + display(): void + displayText(): void + popup(top: Object): void + popup(top: Collection<?>): void + clear(): void

TextInteraction
- in: Buffered Reader - out: PrintStream - log: PrintStream - writeInput: boolean
+ TextInteraction() + close(): void + open(menu: Menu): void + fill(form: Form): void + render(title: String, text: String): void - readString(prompt: String): String - readInteger(prompt: String): int

FormException
- serialVersionUID: long
+ FormException(msg: String)

RuntimeEOFException
- serialVersionUID: long
+ RuntimeEOFException()
+ RuntimeEOFException(msg: String)

CommandException <<abstract>>
- serialVersionUID: long
+ CommandException(msg: String)
+ CommandException(msg: String, throwable: Throwable)

<<interface>> Prompt
+ option(): String + exit(): String

<<interface>> Property
+ WRITE_INPUT: String + BOTH_CHANNELS: String + INPUT_CHANNEL: String + OUTPUT_CHANNEL: String + LOG_CHANNEL: String

Composite PrintStream

- streams : Collection<PrintStream>

- error : boolean

+ CompositePrintStream()

+ CompositePrintStream(printStreams: printStream...)

+ add(ps: PrintStream): void

+ checkError(): boolean

+ close(): void

+ flush(): void

+ print(b: boolean): void

+ print(c: char): void

+ print(c: char[]): void

+ print(d: double): void

+ print(f: float): void

+ print(i: int): void

+ print(l: long): void

+ print(o: Object): void

+ print(s: String): void

+ println(b: boolean): void

+ println(c: char): void

+ println(c: char[]): void

+ println(d: double): void

+ println(f: float): void

+ println(i: int): void

+ println(l: long): void

+ println(o: Object): void

+ println(s: String): void

+ write(buf: byte[], off: int, len: int): void

+ write(b: int): void

+ write(b: byte[]): void

+ setError(): void

<<interface>>

Message

+ invalidOperation(error: String): String

+ invalidOption(): String

+ errorEOF(e: EOFException): String

+ errorIO(ioe: IOException): String

+ errorInvalidNumber(e: NumberFormatException): String

+ errorREOF(e: RuntimeEOFException): String

+ inputError(e: FileNotFoundException): String

+ errorClosingInput(e: IOException): String

+ endOfInput(): String

+ outputError(e: FileNotFoundException): String

+ logError(e: FileNotFoundException): String