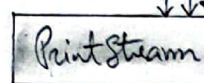
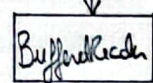
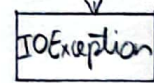
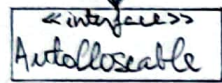
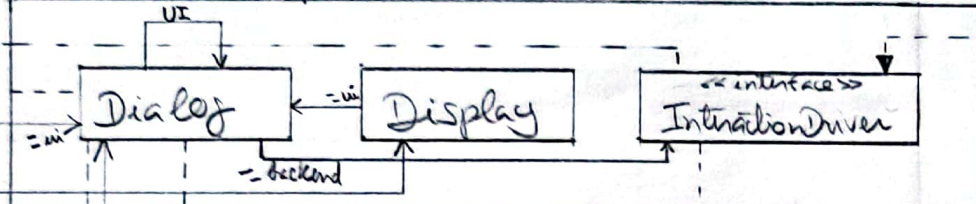
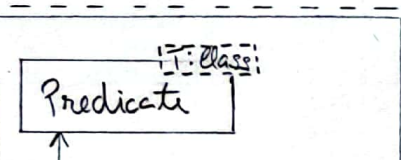
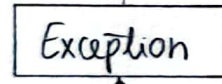
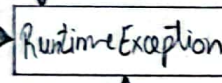


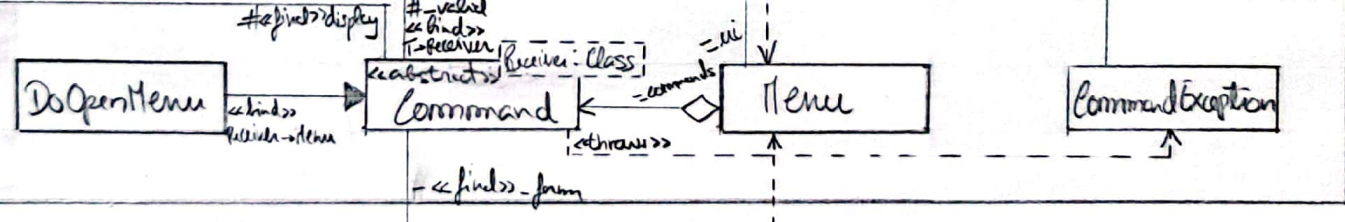
PT. TECNICO.UILIB



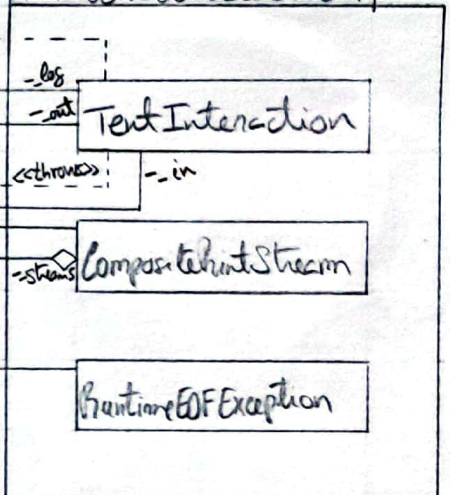
"getters", "setters", toString and equals methods have been omitted, as well as the classes Message, Prompt and Property. Classes attributes and methods are in the pages ahead.



PT. TECNICO.UILIB.MENUS



PT. TECNICO.UILIB.TEXT



| 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 |

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

| <<abstract>> Command |
|---|
| - _last: Boolean - _title: String # <<final>> _receiver: Receiver # _valid: Predicate<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): 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 |

| <<abstract>> Command Exception |
|-----------------------------------|
| |
| |

| DoOpenMenu |
|-----------------------------|
| |
| # <<final>> execute(): void |

| RuntimeEOFException |
|---------------------|
| |
| |

| CompositePrintStream |
|--|
| - _error: boolean |
| + <<final>> add(ps: PrintStream): 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

«interface» InteractionDriver

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

Field Boolean

- «final» BOOLEAN_WORD_YES: String
- «final» BOOLEAN_WORD_NO: String
- «final» BOOLEAN_CHAR_YES: char
- «final» BOOLEAN_CHAR_NO: char
- + parse(in: String): boolean

FormException

Text Interaction

- in: BufferedReader
- writeInput: boolean
- «final» readString(prompt: String): String
- «final» readInteger(prompt: String): int

Display

- title: String
- text: StringBuilder
- + add(toAdd: Object): Display
- + addAll(items: Collections?>): 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

«abstract» Field

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

Field Integer

- + parse(in: String): boolean

Field Option

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

Field String

- + parse(in: String): boolean

Field None

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

Field Real

- + parse(in: String): boolean

João Teixeira (97226)

Declaro por minha honra que este diagrama foi realizado apenas pelos elementos que constituem o grupo do projeto

Afonso Calinas (102373)

Declaro por minha honra que este diagrama foi realizado apenas pelos elementos que constituem o grupo do projeto.