

po - uilib - forms

Type: class

<<abstract>>

Field

- _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

Form

- _ui: Dialog
- _title: String
- _fields: Map <String, Field<?>>
+ title(): String
+ entries(): Collection <Field<?>>
+ field (Key: String): Field<?>
+ add (Key: String, in: Field<?>): void
+ add Boolean Field (Key: String, label: String)
+ add String Field (Key: String, label: String)
+ add Real Field (Key: String, label: String)
+ add Integer Field (Key: String, label: String)
+ add Option Field (Key: String, label: String)
- get (Key: String, type: String): Object
+ boolean Field (Key: String): Boolean
+ String Field (Key: String): String
+ Real Field (Key: String): Double
+ option Field (Key: String): String
+ integer Field (Key: String): Integer
+ parse (clear: boolean): Form
+ clear(): void
+ confirm (prompt: String): Boolean
+ request Integer (prompt: String): Integer
+ request Real (prompt: String): Double
+ request String (prompt: String): String
+ request Option (prompt: String, options: String...): String

Field Boolean

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

Field Integer

+ parse (in: String): boolean

Field None

+ parse (in: String): boolean

Field Real

+ parse (in: String): boolean

Field String

+ parse (in: String): boolean

Form Exception

Receiver: class:

<<abstract>>

Command

- _last: boolean
 - _title: String
 # <<final>> - receiver: Receiver
 # - valid: Predicate <Receiver>
 - <<final>> - form: Form
 # <<final>> - display: Display

+ 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
 + performCommand(): void
 # <<abstract>> execute(): void

CommandException

DoOpenMenu

<<final>> execute(): void

Menu

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

<<interface>>

property

WRITE_INPUT : String

BOTH_CHANNELS : String

INPUT_CHANNEL : String

OUTPUT_CHANNEL : String

LOG_CHANNEL : String

Run EOF Exeption

Text Interaction

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

+ close() : void

+ open (menu : menu) : void

+ fill (form : Form) : void

+ render (title : String, text : String) : void

readInteger (prompt : String) : int

Composite PrintStream

- _streams : Collection <PrintStream>

- _errors : boolean

+ add (ps : PrintStream) : void

+ checkErrors () : boolean

+ close () : void

+ flush () : void

+ print (b : boolean) : void

print (type : type) : void

+ println (type : type) : void

setError () : void

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

+ write (b : int) : void

+ write (b : byte[]) : void

Dialog

- <<final>> ACTION_CHANNEL : String
- <<final>> CHANNEL_SWING : String
- <<final>> CHANNEL_NEW_SWING : String
- <<final>> CHANNEL_TEXT : String

+ UI : Dialog

- _backend : InteractionDriver

- + 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

Display

- _ui : Dialog
- _title : String
- _text : StringBuilder

- + 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

```

classDiagram
    class Field {
        <<abstract>>
    }
    class FieldBoolean {
        <<binds>>
        Type -> Boolean
    }
    class FieldInteger {
        <<binds>>
        Type -> Integer
    }
    class FieldNone {
        <<binds>>
        Type -> Void
    }
    class FieldOption {
        <<binds>>
        Type -> String
    }
    class FieldReal {
        <<binds>>
        Type -> double
    }
    class FieldString {
        <<binds>>
        Type -> String
    }
    Field <|-- FieldBoolean
    Field <|-- FieldInteger
    Field <|-- FieldNone
    Field <|-- FieldOption
    Field <|-- FieldReal
    Field <|-- FieldString
    FieldBoolean ..> Field : <<binds>>
    FieldInteger ..> Field : <<binds>>
    FieldNone ..> Field : <<binds>>
    FieldOption ..> Field : <<binds>>
    FieldReal ..> Field : <<binds>>
    FieldString ..> Field : <<binds>>

```

