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<< abstract >>

Field

- - prompt : String
- - clean : boolean
- # - value : Type

+ prompt() : String

+ set(value:Type) : void

+ clean() : void

dirty() : void

+ cleared() : boolean

+ isReadonly() : boolean

+ parse(in: String) : boolean {abstract}

Field Boolean

- BOOLEAN_WORD_YES : String {final}
- BOOLEAN_WORD_NO : String {final}
- BOOLEAN_CHAR_YES : char {final}
- BOOLEAN_CHAR_NO : char {final}

+ parse(in: String) : boolean

Field Integer

+ parse(in: String) : boolean

Field None

+ parse(in: String) : boolean

+ isReadonly() : boolean

Field Option

- - options : String[]

+ parse(in: String) : boolean

Field Real

+ parse(in: String) : boolean

Field String

+ parse(in: String) : boolean

FormException

- serialVersionUID : long {final}

Field

- - ui : Dialog
- - 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, label: String, option: 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(clean: boolean) : Form

+ clean() : 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)

+ formNotFilled (form: String): String

+ keyNotFound (form: String, key: String)

+ typeMismatch (form: String, key: String, actualType: String, requestedType: String): String

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<<abstract>>

Command

- - last: Boolean

- - title: String

- receiver: Receiver { final }

- valid: Predicate

- - form: Form { final }

- display: Display { final }

+ title(): String { final }

+ 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

+ performCommand(): void { final }

execute(): void { abstract }

<< abstract >>

CommandException

- serialVersionUID: long {final}

DoOpenMenu

- serialVersionUID: long {final}

Menu

- -ui: Dialog

- -title: String

- -commands: Command<?>[]

+ title(): String

+ size(): int

+ atny(m: int): Command<?>

+ entries(): Command<?>[]

+ open(): void

<< interface >>

Message

+ operationFailed(error: String): String

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Composite Print Stream

- streams : Collection
- error : boolean

~ add(ps: PrintStream) : void { final }
+ checkError() : boolean
+ close() : void
+ flush() : void
+ print(b: boolean) : void
+ print(c: char) : void
+ print(e: char[]) : void
+ print(d: double) : void
+ print(f: float) : void
+ print(i: int) : void
+ print(l: long) : void
+ print(obj: Object) : void
+ print(str: String) : void
+ println(b: boolean) : void
+ println(c: char) : void
+ println(e: char[]) : void
+ println(d: double) : void
+ println(f: float) : void
+ println(i: int) : void
+ println(l: long) : void
+ println(obj: Object) : void
+ println(str: String) : void
setError() : void
+ write(buf: byte[], off: int, len: int) : void
+ write(b: int) : void
+ write(b: byte[]) : 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

<< interface >>

Prompt

+ option() : String
+ exit() : String

<< interface >>

Property

+ WRITE_INPUT : String
+ BOTH_CHANNELS : String
+ INPUT_CHANNEL : String
+ OUTPUT_CHANNEL : String
+ LOG_CHANNEL : String

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Runtime EOF Exception

~ serialVersion UID : long { final }

Text Interaction

- -in : BufferedReader
- -out : PrintStream
- -log : PrintStream
- -whiteInput : boolean

+ close(): void

+ open (menu: Menu): void

+ fill (form: Form): void

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

- readString (prompt: String): String

- readInteger (prompt: String): int

<< interface >>

Interaction Driver

~ open (menu: Menu): void

~ fill (form Form): void

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

~ close(): void

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Dialog

- ACTION_CHANNEL : String { final }
 - CHANNEL_SWING : String { final }
 - CHANNEL_NEW_SWING : String { final }
 - CHANNEL_TEXT : String { final }
 - + UI : Dialog
 - -backend : 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 (to Add: Object): Display

+ addAll (items: Collection< ? >): Display

+ addLine (to Add: Object): Display

+ display (): void { final }

+ displayText (): void { final }

+ popup (toPop: Object): void

+ clear (): void

+ popup (toPop: Collection< ? >): void

