

package pt. termico. ulib. formis

(cabstract »	Type: Class
Field	
-prompt: String	
clean : booleam	
# - value: Type	
t pnompt (): String	
+ Set (value : Type) : void	
+ value (): Type	
+ clean (): void	
#dinty () : void	
+ cleared (): booleam	
+ is Read Omly (): boolean	m.
+ «abstract » panse (im	: String 1: booleam

Field Boolean	Field Storng
+ parsa(im:String):boolean	+panse (im:string): booleam
Field Integen	Field Option
+ ponse (:mastning): boolean	+ ponse (in: String): boolean
FieldNone	Form Exception
+panse (in: String): boolean +icReadOmly(): boolean	

Field Real

+ panse (im: String): boolean

```
Form
- Litle : String
-fields: Map < String, Field <? >>
+ form ().
+ Form ( +, + la: String)
+ Form (Mi : Dialog, Title: String)
+ title (): String
+ entries (): Field<?>[]
+ field (key: String) : Field <?>
+ odd Booleam Field (key: String, bbel: String): void
+ add string Field ( key: String , label: String): void
+ add Real Field (Key: String, label: String): void
+ add Integer Field (Key: String, label: String): void
+ add Option Field ( Key: Staing , label: Staing , options : Staing ... ) : void
- get ( key: String , type: String): Object
+ booleam Field ( Key: String ): Booleam
+ string Field ( Mey: String): String
+ option Field (Kay: String): String
+ real Field ( Key: String): Double
+ integer Field (key: String): Integer
+ ponse (): Form
+ ponse (clean : booleam): Form
+ clear (): void
- add ( key : String , im : Field <?>) : void
+ static comfinm 1 pnompt: String): Boolean
+ static request Integer (prompt: String): Integer
+ Static request Real ( prompt: String): Double
+ static request String (prompt: String): String
+ static request Option (prompt: String, options: String...): String
```

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« abstract » Command Exception	98
+ Command Exception (message: Itring) + Command Exception (message: Itring, throward :	Throwable

+ Dolpendlene (label: String, receiver: Meny

- Little: Itring

+ Many (ui: Diolog, title: Itring, commands: Command (2.7...)

+ Menu (title: Iteing, commands: Command (2.7...)

+ Little: Iteing

+ rige(): int

+ entry (m:int): Command (2.7)

+ entries (): Command (2.7)

+ open (): Nord

```
Le interface ??

Mirroge

+ Ntatic operation Isiled (erro7: String): String
```

```
((abstract >>
                                    Command
 - last : boalean
- _ title : Itring
# _ receiver: Beceiver
 + Command (last: boolean, title: String)
 + Gommend / last: bodean, title: String)
 + Command ( last : boolean, tith: thing ; receiver ? wire, whit: Pertine ; better & Checimer : Pretent)
 + Command Mille: Tring, receiver : Receiver, rolid: helpicate & Treceivers)
 + final title (): ytring
 + is deart(): boolean
+ in Valid 1): boolean
+ add Boolean Field (hey: Itring, prompt: Itring): red
+ add Break Field (hey: Itring, prompt: Itring): red
+ add Integer Field (hey: Itring, prompt: Itring) raid
+ add Itring Field (hey: Itring), prompt: Itring) raid
+ add Option Field (hey: Itring); Prompt: Itring): raid
+ boolean Field (hey: Itring): Boolean
  + real Field ( hey: Iting ) Houble
  + integeritield (hey: tring): integer
   + string tield (heg: String): Thing
   + option Field (hey: Tring): String
   + bind perform bommand (): roid
    + << abstract >> execute(): roid
```

package pt. tecmico. uilib. text

Text Interaction

-write Imput : boolean

- + closs () : void
- + open (menu: Menu): void
- + fill (farm : Form): void
- + nemder (Litle: String, text: String): void
- read string (prompt: String) : String
- read Integer (prompt: String): int

Runtime EOF Exception

Composite Print Stream

-evron = false : booleam

+ Composite Print Stream ()

+ Composite Print Stream (print Streams: Print Streams ...)

+«fimal» add (ps: PrintStream): void

Composite Printstream have more methods but since they are overnides from Java. io. Printstream on java. io. Filter Output Stream we decided to ammit them.

Display

-title = "" ; String

+ Display ():

+ Display (title: String)

+ Display (Mi : Diolog , title: String)

+ add (to Add: Object): Display

+ add All (items : Collection) : Display

+ add Line (to Add: Object): Display

+ add NewLine (to Add: Object, fonco: bodeam): Display

+display (): void

+ display Text (): void

bion: (tobb : Object): void

+ popup (to Pop: Collection <?>): void

+ clean () : void

Dialog

-Dialog ()

+ Dialog (backend: Interaction Driver

+ open (memu: Memu): void

+ fill (form: Form): void

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

+close () : void

«interface» Interaction Driver

+ open (memu: Memu) : void

+ fill (form : Form 1 : void

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

+ close (1: void

Declaro parm:mha homna que este diagnama foi realizado apemas pelas elementos que constituem o grupo do projeto

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