1 - Descrição dos clases

Classes Lobel, Message and frompt (brom the raises pactages) have been omitted since they represent logs of slobal bructions or ravidles and are mean inflationed or mornal (occept classes.

Confrictors with no organists to charact nethods on interface nethods implementions, and other possibly inherited nethods have been smitted

A. tecnico. milif

Disply

- ni: lidag
- - title: string = ""
- -- text: string Builden
- + Display (title : 5tring)
- + Display (Mi: Diology) title: 5thing)
- + odd (to Add: Wiject): Disphy
- + addAll (items: Collection <?>): Display
- + addline (to Add: Usted): Display
- * add New Line (to Add: Wijest , Gove: hodean): Digly
- + (r fine >> disphy(): Nord
- + << (ind), display Text (): noid
- t topp (tolor: Oliget): roid
- + paper (tolop: Phlestion ??): roid
- + دلعم (): محتط

Diolog

- " . " . Girls : JANNEL : String = "mi"
- "Fire >> (HANNEL IWING: JAMING " " oming"
- (rgind) (MANNEL NEW_SWING: String = "memoring"
- (Gird 2) (HANNEL_TEXT: String = " text"
- + UI : Lidag
- - backend: Interaction Driver
- + Didag (lastered: Interestion Prises)
- + open (nem : Mem) : roid
- + fill (born: Form): raid
- + render (sittle: string , test: String) : roid
- + Unx (): raid

(Tuberface >)

Interaction Driver

- + ppn (men: Menn): roid
- + bill (form: Form): roid
- + render (title: string , text: string): roid
- t done () : mid

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Meny

- mi : Didag

grinke: eltit. -

- cannongs: (among (; s[]

+ Menn (in: Diolog , stitle: String ,

(omnats: Command (?)...)

+ Menn (title: String , commes (:>...)

+ litle (): 5tring

tris () spir +

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

+ endries (): Pommand < ?>()

+ open(): naid

Doben Menn

robind>> execute(): roid

Kaceiver: Olms re abstract >> Command

- . Ist: Lolean

- - title : String

(rfind) - receiver: Receiver

#-relid: Predicate (Receiver)

- (rfied >) - form: Form

((file) - distry: Distry

+ Command (lost: toolean, title: String)

+ Command (lost: hoolean, title: String) receiver: Receiver)

+ Command (last: boolean, title: String)

receiver: Receiver, rolid: PredicterReceiver>)

+ Command (title: String , receiver: Peceiver)

+ Connand (sittle: string, receiver; Receiver, relid: Preside (Receiver)

+ title (): String

+ is Last (): hoolean

+ is Velil (): tolean

+ add Bolean Field (Key: string, prompt: string): roid

+ add Real Field (Key: string, prompt: string): roid

+ addIntegerField (teg: string, prompt: string): roid

+ add String Field (key: string, prompt: string): roid

+ add Option Field (Key: Shing, Mompt: Shing) options: string...): roid

+ bodeon Field (Key: String): Boolean

+ redfield (New : String): Aprille

+ integentiald (Key: String): Integen

+ string Field (Key: String): String

+ option field (teg: string): string

+ (fine >> perform (ommand (): roid

(chokaut >> escecute(): noid

Fleglios:

CommandException

Form

- . m: : Didog

- title ! String

-- fields: Max < string, Field <?>>

+ Form (little: string)

+ Form (hi: Didog, title: String)

+ title (): String

+ entries (): (blection (Frield (?))

- add (Key: String , in: field (?)): roid

+ add Bollem Field (Key: String , Idel: String): roid

+ add heal Field (Key: String , lokel: String): roid

+ add Integer. Field (Key: String , Sold: String): roid

+ add bytion Field (key: string, lokel: string, options: string ...): roid

- get (Key: Shring , type: string): Object

+ troblem Field (Key: string): Boolean

+ string-field (Key: string): String

+ option Field (Key: string): String

* realfield (key: string): Double

t integentiald (key: string): Integer

f terse (): form

+ Jonse (dear: tolean): Form

+ clear (): road

+ confirm (frompt : String): Boolem

+ request Integer (from t: String): Integer

f request Red (groupt: String): Double

+ request String (parpt: String): String

+ request Option (groupt: String, options: String ...): Strin

Type: On rr obstract >>

Field

- prompt: String

- clar: booken

#_nlve: Type

Field (prompt: String)

+ prompt (): String

+ net (reliee: Type): raid

+ whe(): raid

+ clar(): roid

dirty(): Noid

+ clered (): boolen

+ iskealerly(): bodean

+ << character (in: String): broden

Field Boolean

- Tr find >> BOOLEAN_WORD_YES: String = "sim"

- (find >> BOOLEAN_WORD_NO : String = "mos

(find >> BOOLEAN_ CHAR_YES: char = 151

- (1 fine >> BOOLEAN_ (HAR_NO: clon: 'm'

Field Boolem (prompt: String)

Field Option

- options: string()

field Option (prompt: String, options: String(1)

Field Real

Fieldhed (nompt: String)

Field Integer

Field Inleger (prompt: String)

Exagtions:

Form Exception

FieldNone

Field None (prompt: String)

+ iskedOnly (): boolean

Fieldstring

Field String (front: String

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Confosite frient Stream

- - streams: Collection & Print Stream)
- -enor: broken = false
- Composite frist Stream (printstrans: brintstran ...)
- cred: (mountaint: 2q)bbo << boil)</pre>
- + check Error (): boolen
- + close (): raid
 - + (flush(): raid
 - + print (6: bodean): roid
- 1 + print (c: don) : roid
 - + print (c: don()) : roid
 - + fried (d: boulle): roid
 - + print (f: Post) : roid
 - frist : i) timb

 - + print (1: long) : roid
 - + print (dis: osiset): roid
 - b ion: (points: rde) turny +
 - f grish (b: bodean) : roid
 - f grissla (c: char): roid
 - f grish ((: and)) . roid
 - f grissla (d: double) : roid
 - bion: (took):) where t

 - f grish (i int) : Nord
 - bion: (good: 1) meling)
 - f grindle (lig: Object) : roid
 - bion: (grinte: ats) ultime t
 - 4 ret Ernor (): noid
 - + while (bug: byle(), off: int, len: int): will
 - + Write (6: 22) : nord
 - + Munise (b: hyde(1): raid

Exceptions: 1 IOExoption

Frinterfra >> Croquery

WRITE_INPUT: 5thing = "kriteInget"

BOTH_ (HANNELS: string = " fall"

IMPUT_ (HANNEL : String = "in"

OUT PUT_(HANNEL: String: "out"

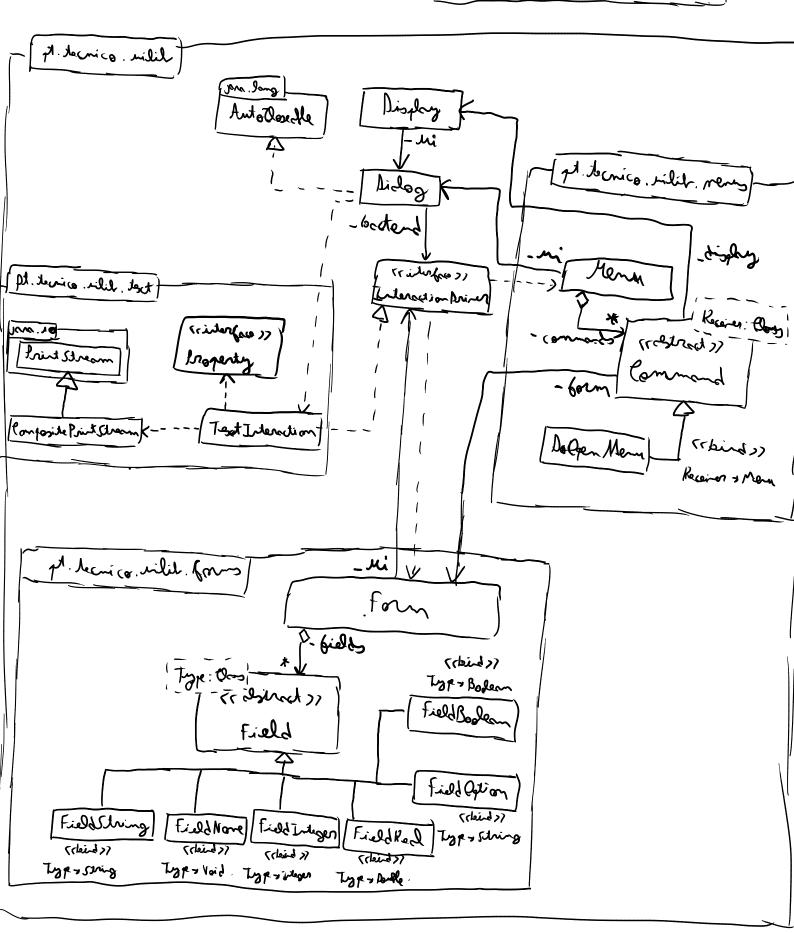
LOG_(HANNEL: String = "log"

Test Interaction

- in: BufferedReader
- and : Print Stream
- -. log: frit Stream
- write Input : broden
- realthing (front: thing); thing
- this : (grinds : tymory) repolal bon -

2 - grafico UML

landy som classes that have been a extended on implemented are explicitly represented



Declaro por minha homa que este fiagrama poi redigatos apenos pero elementos que constituem o grupo! Doco Fernandes