UML PO-UILIB: Classes Message, Romet and Property home been omitted since it's a boy of functions and have mora been instantiated. tecnico. Lilib menus Display 12 Open Many _display (Clind >) (celebract >) (Aeceious + Horn D Command ommand Exception 1 21 catches tecrico. wilib. form &throws) Form (Clind) reld Integer Field None Field Option Field String Field Beal tecnico, cileb. Pext 9 Buntime EOF Exception myesite hint Stream _backend Interaction Driver

<<abstract>>>

Command

-_last : boolean -title : String

#_RECEIVER: Receiver (Chinal)

#_valid: Predicate < Receiver > = receiver > true

-_FORM : Form ((Finel)) #_ DISPLAY: Display ((Final))

+TITLE(): String (4Final)

+ 15Last L): boolean

+ is Valid(): boolean

+ add Boolean Field (key: Shring, prompt: Shring): wid + add Rook Field (key: Shring, prompt: Shring): wid

+ add I neaver Field (key: Shing, prompt: Shing): wid

+ add String Field (key: String, prompt; string); wid

+ add Option Field (key: String, prompt; String, options: String ...): wid

+ bookan Field (key: String); wid

+ real Field (key: String): void

+ integerfield (key: String): wid

+ string Field (key: String); wid

+ option Field (key: String); wid + PERFORM COMMAND (): wid

<< abstract>>> execute (): void

<< abstract >>

Command Exception

-SERIAL VERSION UID =202010450838L@fine))

Menu

- _vi: Dialog

-_ Litle ; Shing -_ command <?>[]

+ size(): int

+ entry (n:int): Command <?>

+ entries (): Command <?>[]

+ open(): word

(Linkerface)

Hemoge

+ operation Foiled (error: String): String

Do-vilib. text

Composite Print Stroom

-_ Streams: Collection < Print Stream> = now ArrayList <> ()

-- emor : boolean = False

+ ADD (ps: Print Stream): void actinolis

((interface))

Prompt

+ ophion (); String

t exit(): String

(LinberFace))

Proprety

+ WRITE_INPUT: String = "write Input "CLEARLY

+ BOTH _ CHAMINELS : String = "both" (Ginals)

+ INPUT - CHAMEL: String = "in" (c Final))

+ OUTPUT - CHANNEL: String = "OUT" (Chall)

+ LOG_ CHANNEL: String = "log"(Lifinel))

«Linkerface») Message

+ invalid Operation (error: String): String

+ invalid Option (): 5 ming

+ error EOF (e: EOF Exception): String

+ error Invalid Number (e: Number Format Exception): Shing

+ error REOF (e: Runkime EOF Exception): String

+input Error (e; File NorFound Exception): String

+ error Closing Input (e: IO Exception): String

+ endOFInput (): String

+ output Error (e: File Not Found Exception): String

+ log Error (e: File Not Found Exception): String

Run lime EOF Exception

-SERIAL VERSION UID = 2020-10450838L (GENL)

Text Interaction

- _ in: Buffered Render = new Buffered Reader (new Input Stream Reader (System.in))

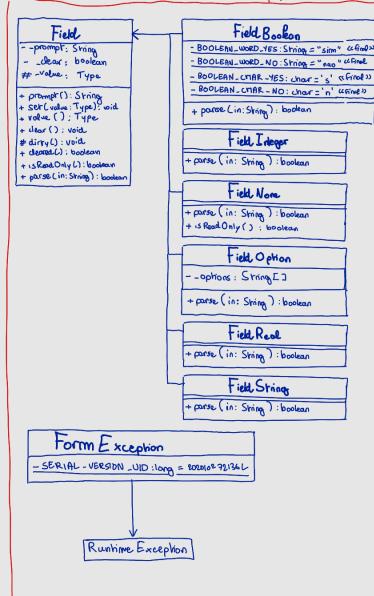
- Lour : Print Stream = System.our;

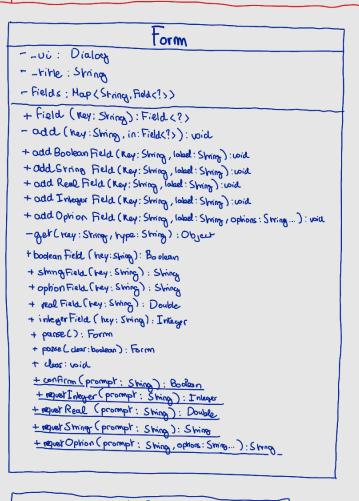
- _ log: Print Stream = null

- _ write Input: boolean

- read String (prompt: String): String

- read Inleger (prompt: String): int





<< interface>> Hessage

- + Key Already Exists (Form: Shing, Key: Shing): Whing
- + Form Nor Filled (Form: String): String
- + hey Nortound Cform: String, hey: Sung). String + hype Mis match (form: String, hey: Sung, adultype: Sung, sepeciallype: Sung); String

po-vilib

Display

Dialog - ACTION_ CHANNEL: String = "vi" -CHANNEL_SWING: String = "swing" «Finol » - CHANNEL - NEW _ SWING = "new swing" (C Final) - CHANNEL_TEXT: String = "text" (cfinal) + UI: Dialog = new Dialog() + open (menu: Henu): void + Fill (form : Porm) ; wid + render (title: String, text: String) + close(); wid

- _vi : Dialog -- title : String = "" - _ text: String Builder = rew String Builder() + add (to Add: Object); Display + add All (items: Collection <?>); Display + addLine (to Add: Object): Display + add New Line (to Add: Object, Force: boolean): Display + display (): wid ((Rnol)) + display Tect (): wid (Final >) + popup (10 Pop: Object): void + popup (to Pop: Collection <? >): void + clear (): void

Interaction Driver + Open (menu: Menu): word + fill (Form : Form) : wid + render (Little : String , text: String) : wid + dosel): wid

ccinter Face ss

De clavo por minha honra que este diagrama foi realizado aperas pelos elementos que constituem o grupo do projeto. Mentre

Declaro por minha homa que este disgrama foi realizado capenas pelos elementos que constituemo grupo do majeto. Bodujo