

All of the methods and attributes were defined separately in order to better understand the connections established between classes and packages.

Serial numbers for serial ; zation have been omitted

Dialog

-CLEINADY ACTION\_CHANNEL: String = "Swing"
-CCEINADY CHANNEL-SWING: String = "Swing"
-CCEINADY CHANNEL-NEW\_SWING: String = "text"
+ U1: Dialog = now Dialog()
-backend: Interaction Driver

+ open (menu: Henu): void + render (title: String, text: string): void + close (): void

## Text Interaction

-in : Bullered Reader = new Bullered Reader (new Input Stream Reader ( System, in ))

- out: Printstream = System.out

-- log: PrintStream = null

- read Integer (prompt: String): String

-ui: Dialog
-title: Stringbuilder = new StringBuilder ()
-text; Stringbuilder = new StringBuilder ()
+add (to Add; Object): Display
+ add Line (to Add; Object): Display
+ add New Line (to Add; Object): Display
+ cc final >> display (): void
+ cc final >> display (): void
+ popur (to Pop: Object): void
+ popur (to Pop: Object): void
+ Clear (): void
+ Clear (): void

## Composite Print Steam

-stream: Collection < Printstream> = now Array List<>()
-error: boalean = false
+ «final» add (ps: Printstream): void

Hossage, frompt, froperty and Interaction Driver have been amitted as they represent bags of global functions on variables and are rever instantiated as normal concept classes.

DOPEN MENU

# cofinal>> execute(); void

Command Exaption

Runtime to OF Exception

-commands; Command < 2>[] -vi : Dialog tentry (n; int): Commande?> topen () : Noid + Size () : int Tesu

- last : bookson

Om maja ) CCOSSTACTY

Reciever (Class)

normal concept class as it represents bags of global functions on instantiated as a Message has been omitted variables and is never

> # walid : Predicate < peaiver > = receiver - true + add Real Field (xay: String, prompt istring); + add Boolson Field ( way istring, prompt isting) + isladia() : bookpan # cofinally -receiver , Raceiver -title isting # ccfinal>> - display : Display - celinal >> - form : Form

# ccabatract >> execute() : wid

+ cefinals perform Command (): void

+ realfield (very: String); Double + integerfield (very: String); Integer + stringfield (very: String); String

+ balean Field (Koy: String) : Boolean

tadd Option Field (Ney: String, prompt: String, options: String,): void

+ add stringfield (way: String, grampt: String);

+ add Integer Field ( key; String, prompt, String);

Dellaro por minha honra que este diagrama foi readizado apenas pelos elementos que constituem projeto o grupo de

Someon

toold String Field ( Key: String, label: String); world toold Integer Field ( Key: String, label: String); void -title: String taddoption Field (way : String, label; String) tstring Field (xey; string), string +boolean Field (key: String) . Boolean tgot (key: String, type: String): Object + add Boolson Field ( key: String, label: String): void - fields: Map<Sting, Field<?>> = rew + request Option (prompt; String, options: + request string (prompt: String): String + request Pead (prompt: String) , Double + clear(): void toption Field (way: String): String + field ( ney: String): Field <?> + request Integer (prompt, String): Integer tinleger Field (xey: String): Double tinleger Field (xey: String): Integer - add (ney: String, in: Field <?>); woid tonfirm (prompt string): boolean + parse (clear: boolban): Form tporse (); Form tentries (): Callection cfield <?>> Linned HashMajoc>() tom String ... ): String + pase (in: string); bollown

- CEPINOUS BOOLEAN\_NORD\_YES (String = "Sim" + ccabstract >> parse (in: String); + set (value : Type) : void - clear; boolean -brompt: String + is Read Only (); boolean + parse (in : String) , boolean # dirty (): void + clear (): void #\_walve : Type Form Exception FieldInteger Field Field Boolean

+ parse (in: String): boolean + is Read Only (); boalean Field Option TieldNone

+ passe (in which ) booken -- options: String[] + parse (in: String): booker Field Real

+ parse (in : Shing): bookean FieldString

- 48 inalys BOOLEAN-WOXD-NO; String= "nao" - < cfinal>> BOOLEAN\_CHAR\_)ES : char = 15" estimal>> BOOLEAN\_CHAR NO: char = 'n' represents bags of global functions on Hessage has been a normal concept nover instantiated as ommitted as it