- copinal >7 ACTION_ CHANNEL: String

- < Pinal >> (HANNEL - SWING: String

- < Final >> CHANNEL - NEW - SWING: String

- << Final>> CHANNEL_TEXT_

+ < Final > UI: Dialog

- - backend: Interaction Priver

+ Dinloy buckend: Interaction Driver)

+ open (ment: Menv): Void

+ Fill (tomphiform): Void + nerver (title: String, text: String)

+ (10)(1): VolU

Interaction Driver

open (menu; Menu): void Fill (form: Form): Voil

number (title : String, text : String) close (): Vold

- - wi : Dialog

-- Title: String

- - text : String Builden

+ Display (Title: String)

+ Display (wi : Dialog, title : String) + add (to Add: Object): Display

+ add All (items: Collection <?>) : Display + add Line (to Add: object): Display

Display

+ Add New Line (To Add disjet, force : biskent Display

+ display (): Void

+ popup (+. Pop: Object): Void + lopup (to pop: Collection <?>)

+ clear (); Void

willib

the man to the zell comes only Manufax or

```
Form
- I wi : Dialog
 -- title: STRIMY
 - Pields = Map < String, Field <? >>
 + Form ( Title: Strying)
 + Form ( Mi: Dialog, title: String)
  + title (): SThing
  + enthies (): (o'llections < Fields < 1>7
  + field (key: string): Field<?7
  - add (key: string, in: Field(!)): Void
  + add Boolean Field ( key: string, lobel: string): void
  + add string Field ( key: String, lubel: String): void
  + add Rent Field ( key: String, label: String): Void
  + add Integer Field ( key: String, label: String): Void
  + add Option Field (key: String, lubel's String, options: String ...); Void
  - get (Key: string, Type: String): Object
  + Boolown Field ( key: String): Buolean
   + String Field ( key : String) : String
  + option Field (key: String): String
  + real Field (key: String): Double
  + integer Field ( Key: String): Integer
   + purse (): Form
   + pulse (clear; boolean): Form
   + (lear (): Void
             + Confirm ( prompt: String): Boolean
             + negrest Integer ( prompt: String): Tateger
             + nequestReal (prompt: String): Double
            + nequest String ( promp + : String): STring
             + negrest option (phompt: ) Thing, options: String ....): STring
```

wib forms

<abstract>> Type: Class</abstract>	Field Boolean	Field Option	Milib. forms
Field		- Options: String[]	
- Clean: Last	«PANIX >> BOOLEAN_WORD_YES: String «PINIX >> BOOLEAN_WORD_NO: String————————————————————————————————————	+ Parse (in: string): boolean	
		FeldReal	
	+ panse (im: String): boolean	+ pare (im: String): booleum	
	FieldIntegen	FieldString	
	+ purse (in: String): booleum	+ quise (in: String): booleun	
	FieldName		
	5.1000	Form Execption	
	+ purse (in: String): booleum + is Read only (): booleum	+ Form Exception (msg: String)	
	the control of the co	Many - Fred & Johnson	

<< abstract>> Reciever: Class (o mmand - last: boolen - - title: String # < PINO 77 - TRECKIVEN : Receiver # - Valid : Predicate < Receiver> - << Final >7 - form : Form # << final >> - display; Display + Command Clast: boolean, Title: string, receiver; Receiver, valid: Predicate (Receiver) + (0 mmand (title : string), neceiver: Receiver) + Commund (title: string) necesium; Receiver, Valid: Predicate (Receiver)) + <<fi>invl>>> +itle():) Tring + is Last (): boolean + IsValid11: boolem + add Boolean Field (Key: String, frompt:) Tring): Vold + all Real Field (key:) tring, grampt: String): void + add Integer Field (Key: String) prompt: String) Void + ald string Field (key: String, prompt: Spring); vold + all Option Field (key: String): Prompt : String, options : String ...): Void + boolean Field (key: String): Boolean + neal Field (Key: String): Double + integer Field (key: String): Integer + string Field (key: String): String + option Field (key: string): String +44 ina 177 perform Command (): void # << abstract >> execute (): void Mit ib menus <abstract >7
command Exception

+ Command Exception (message: String)
+ Command Exception (message: String) throughle: Theorable)

<<pre>Parpen Menul

+ <<pre># <<pre>Pinul >7 cxecute(): Void

Memu

- mi: Dialog

- title: string

- commands: commund<17[]

+ Title (1: String)

+ size (): int

+ entry (m: int): command<17

+ entries(): command<17[]

+ open (): Void

```
Composite Print Stronm
```

- streams: Collection (Print Stream) - entron; buslean

<< final >7 add (ps: Print Streum): Void t checkEnnon 11: boolean + close U: void + flusho: void + print (b: hos lown): Voil tipnint (cichon): void + Print (c: charE3) : Void + print (d: louble): void + print (f: float): Voil + point (i: int): void + Mat (1: long): void + onlat (ob): Object): void + print (str: String): void t mitatin(b: boolean): void + printhe (c: chur) : void + mintle (c: (hor (1): Voil) + printly (1: double): void + faintle (f: floot): void + printly(i:int): void + printin(1: long): void + printin(obj: Object) : Void + orintha (str:) thing) : Void # set Endun (): Void + White (buf: byte[], off: int, lon: int): void + write (b: int) : void + write (b: byte[]): Vold

RUM Time E OF Exception

RUNTIME EOFEX COPTION ()
RUNTIME EOFEX COPTION (NOY:) thing)

TexTIMERACTION

-- in : Buffored Reader

- - out : Printstreum

- log: Print Storeum

-- writeImput: booken

+ closel): void

topen () : void

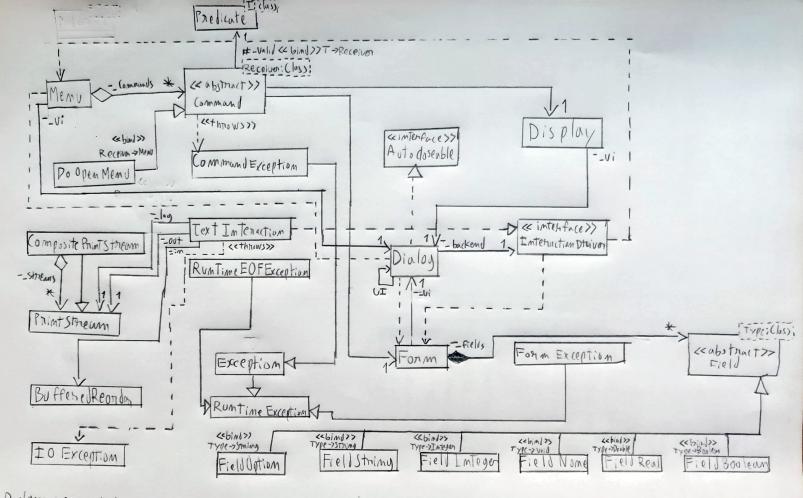
+fill (form: Form): void

+ newler (title: String, text: string): VolV

- «Pimul 77 neul string (prompt: String): String

- << final>>> need Integen(prompt: Stala); int

milib. text



Declaro por minhaponna que este diagrama foi neatrzado apenas pelos elementos que constituem o grupo de projeto. Soludos soches dollara consciencion por minha honra que este diagrama foi realizado apenas pelos elementos que constituem o grupo de projeto. Nathant.

Grupo.007 1st 1103543 1st 1103145