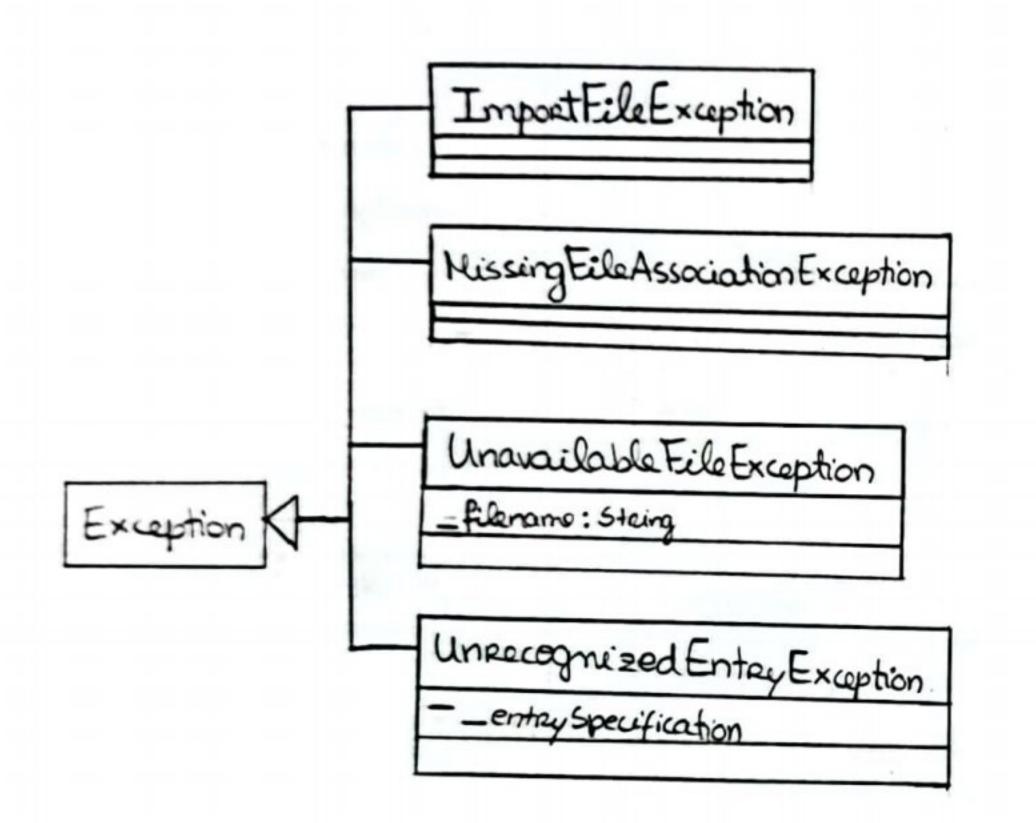
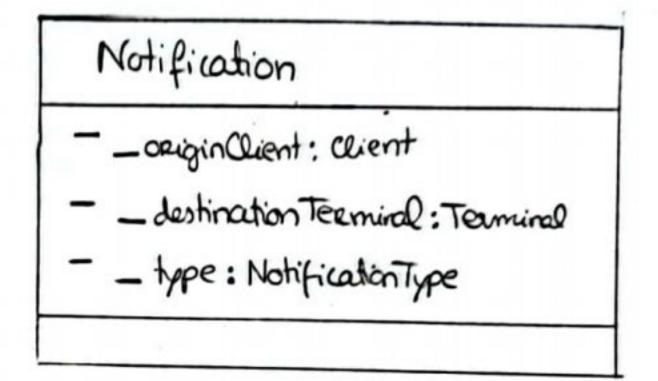


Declaro, por minha honea, que este diagrama foi exalizado aperas pelos elementos que constituem o grupo de projeto. Beatrizó





«enumeration» NotificationType	
021	
BQI	
SQI	
025	

<< interface>>> Plan

+ «abstract» calculate Newage Cost (msg: String): int + «abstract» calculate Voice Communication Cost (dwarion: int): int

+ «abstract» calculate Video Communication Cost (duration: int): int

Normal

+ calculate Message(ost (msg: steing): int

+ calculate voice Communication Cost (duration: int): int

+ calculate Video Communication Cost (duration: int): int

munital + calculate Voice Communication (duration: int): int + Calculate Voice Communication (duration: int): int + Calculate Video Communication (duration: int): int

6019

+ calculate Hespage Cost (mag: String): 1nt + calculate Voice Communication Cost (duration: int): int + calculate V. dec Coussier ication Cost (duration: int): int

Kabstead class>>> Terminal - owner: Quent - _ Key: Steing - state: State - freiends: Collection < Terminal> - past Communications: Collection (Communication) -ongoing Communication: Communication - text Notif: Collection < Notification > - interactiveNotif: Collection< Notification> + «abstract» can Message (): boolean + «abstract» canvoice Communicate(): booleon + ccobstract >> convideo Communicate (): boolean + conEndaurrent Communication (): boolean + can Start Communication (): boolean + send Tex+ Communication (destination ID: String, msg: String): wid + start Interactive Communication (destination ID: Strong; type: Communication); void + addFeierd(-id: Steing): void + is Friend (terminal: Tereminal): bookean + turnonterminal (): void + tuen Off Teaminal(): void + end Interactive Communication (duration: int): void + performbyment (Communication Key: int): void + remove Feiend (id: Steing): wid + show Ongoing communication (): wid + silence Terminal (): void + switch State (state: State): wid + calculate Dalance (): int + show Teaminal Balance (): void

Basic

- + cantlessage():boolean
- + can Voice Communicate (): boolean
- + can Video Communicate (): bookean

Fancy

- + can Mersage (): boolean
- + canvoice Communicate (): bookan
- + can Video Communicate (): boolean

Client

- Ley: String
- _name: Steing
- nif: int
- plan: Plan
- fearminals: Collection (Terminal)
- notifications: Collection < Notification>
- + planTransition(): void
- + Switch Plan (to Switch: Plan): wid
- + calculate Balance (): int
- + Show Client Balance (): und

<	Communication
Key	: int
000	in: Terminal
des	tination: Tereminal
	oing: boolean
00	id: boolean

-- cost: int

«absteact about»
eractive Communication
wation: int
wation: int

Tez+	
=_sentNessage: Steing	

+ consecute Teset Communication (): boolean + can receive Interactive Communication (): boolean + can start (ammunication (): boolean

Idle	
+ consecure Interactive (omnunication(): boolean + constart Communication (): boolean	מא

```
+ constact Communication (): boolean
+ constact Communication (): boolean
+ constact Communication (): boolean
```

+ can Receive Interactive Communication (): boolean + can Roceive Interactive Communication (): boolean + can Start Communication (): boolean.

Silent

Network

- clients: Collection < Client>

importfile (filename: Steing): void

+ find Terminal By ID (id: String): Terminal

+ find(QientBy ID (id: Steing): Quent

+ show(lient (dient ID: Steing): wid

+ enable (cient netifications (id: string): wid

+ disable Went Noty Cations (id: String): wid

+ register (client (cliented: steing, name: straing, nif: int): wid

+ show All Clients (): wid

+ Shawleight Payments And Debts (id: String); wid

+ show All Communications (): wid

+ show (lients with Debts(): wid

+ show(lients Without Debts(): void

+ show Communications Feam (cient (cd: Hing): void

+ Show Tearninals With Positive Balance (): void

+ show Unused Terminals (): void

+ show Global Balance (): void

+ openMenuTerminalconsole(): void

+ Register Terminal (tuminal string, type: String , dient Id: String): void

+ show Alterminals (): wid

Network Manager

- _network: Network
- filorame: Steing
- + load (filoname: string): wid
- save(): wid
- + save As(filename: Steing): void + importfile(filename: Steing): void