

Network Manager

- _network : Network

+ load (filename : String) : void
 + save () : void
 + saveAs (filename : String) : void
 + importFile (filename : String) : void
 + openFile (filename : String) : void
 + saveFile (filename : String) : void
 + openMenuClient () : void
 + openMenuLookups () : void
 + openMenuTerminals () : void

Client

- _tariff : Tariff
 - _id : String
 - _name : String
 - _mif : int
 - _terminals : Hash Map <String, Terminal>
 - _payed : ArrayList <Integer>
 - _owed : ArrayList <Communication>
 - _receivedCommunications : ArrayList <Communications>
 - _notifications : ArrayList <Notification>
 - _balance : int

+ changeTariff (newType : String) : void
 +
 + addPayed (price : int) : void
 + addOwed (com : Communication) : void
 + readNotifications () : void

Network

- _totalComms : int
 - _clients : Hash Map <String, Client>
 - _terminals : Hash Map <String, Terminal>

+ disableClientNotifications (id : String) : void
 + enableClientNotifications (id : String) : void
 + registerClient (id : String, name : String, mif : int) : void
 + showAllClients () : void
 + showClient (id : String) : void
 + showClientPaymentsAndDebts (id : String) : void
 + showAllCommunications () : void
 + showClientsWithDebts () : void
 + showClientsWithoutDebts () : void
 + showCommunicationsFromClient (id : String) : void
 + showCommunicationsToClient (id : String) : void
 + showTerminalsWithPositiveBalance () : void
 + showUnusedTerminals () : void
 + showGlobalBalance () : void
 + openMenuTerminalconsole () : void
 + registerTerminal (idTerminal : String, idClient : String) : void
 + showAllTerminals () : void

Notification

- type : String
 - idTerminal : Terminal

Communication

- type : String
 - id : int
 - idSender : String
 - idReceiver : String
 - amount : int
 - price : int
 - status : String

+ endCommunication (amount : int, tariff : Tariff) : void

Taniff

- ready: boolean

Normal

+ text (N: int): int
+ voice (N: int): int
+ video (N: int): int

Gold

- consecutive: int

+ text (N: int): int
+ voice (N: int): int
+ video (N: int): int

Platinum

- consecutive: int

+ text (N: int): int
+ voice (N: int): int
+ video (N: int): int

Terminal

- state: String
- id: String
- balance: int
- friends: HashMap<String, Terminal>
- played: ArrayList<Integer>
- ~~owned~~: ArrayList<Communication>
- ~~received~~ (communications): ArrayList<Communications>

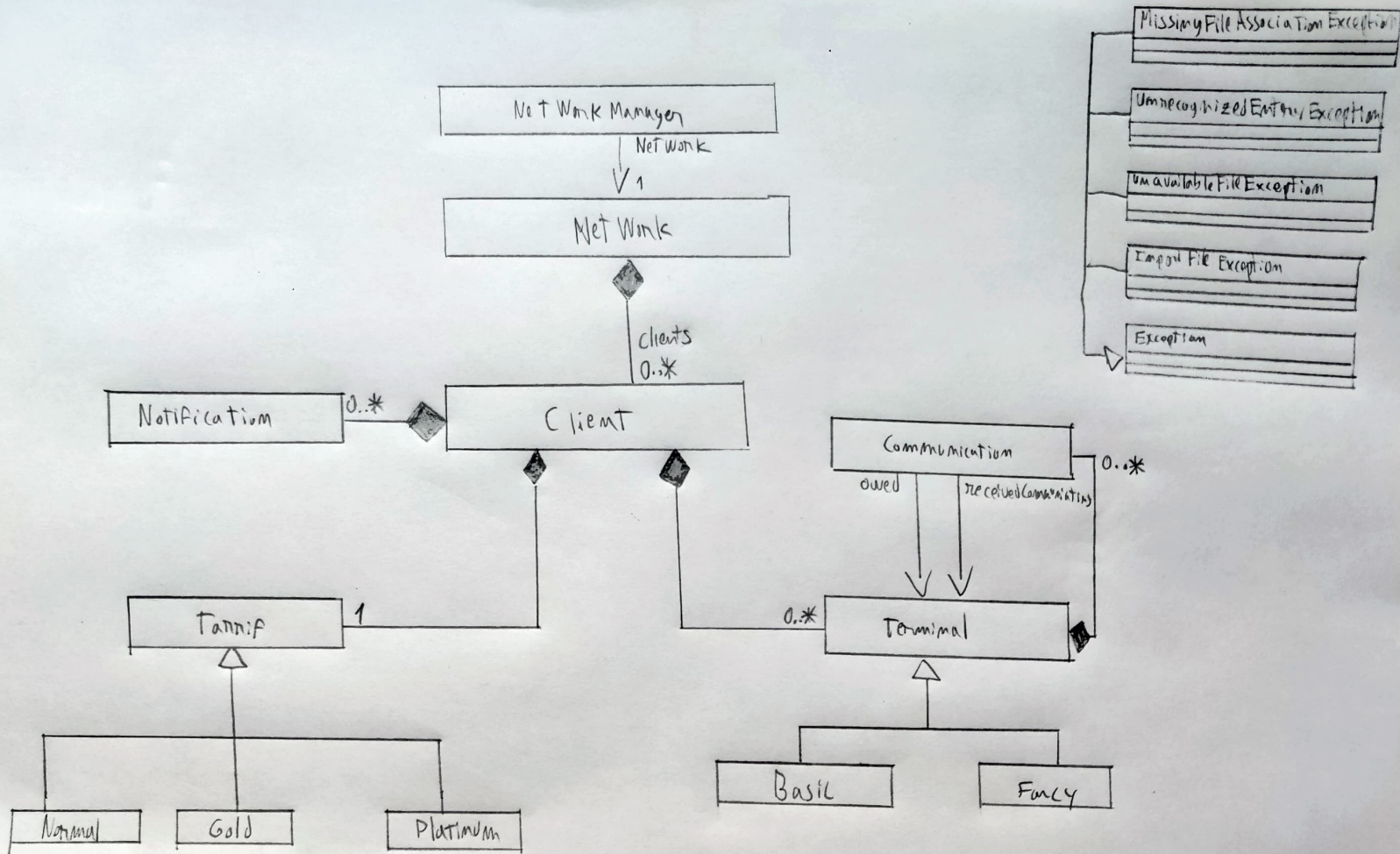
+ updateBalance(): void
+ communicationEnded(price: int): void
+ addFriend(friend: Terminal): void
+ removeFriend(id: String): void
+ startCommunication(type: String, receiver: Terminal): void
+ <<abstract>> canEndCurrentCommunication(): boolean
+ <<abstract>> canStartCommunication(): boolean

Basic

+ canEndCurrentCommunication(): boolean
+ canStartCommunication(): boolean

Fancy

+ canEndCurrentCommunication(): boolean
+ canStartCommunication(): boolean



Declaro por minha honra que este diagrama foi realizado apenas pelos elementos que constituem o grupo de projeto. Soluções Saneas da Cunha Costeira.

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