ImportFileException

- « final » serialVersionUID : long = 202208091753L

- « final » ERROR_MESSAGE : String = "Erro a processar ficheiro de import:"

MissingAssociationException
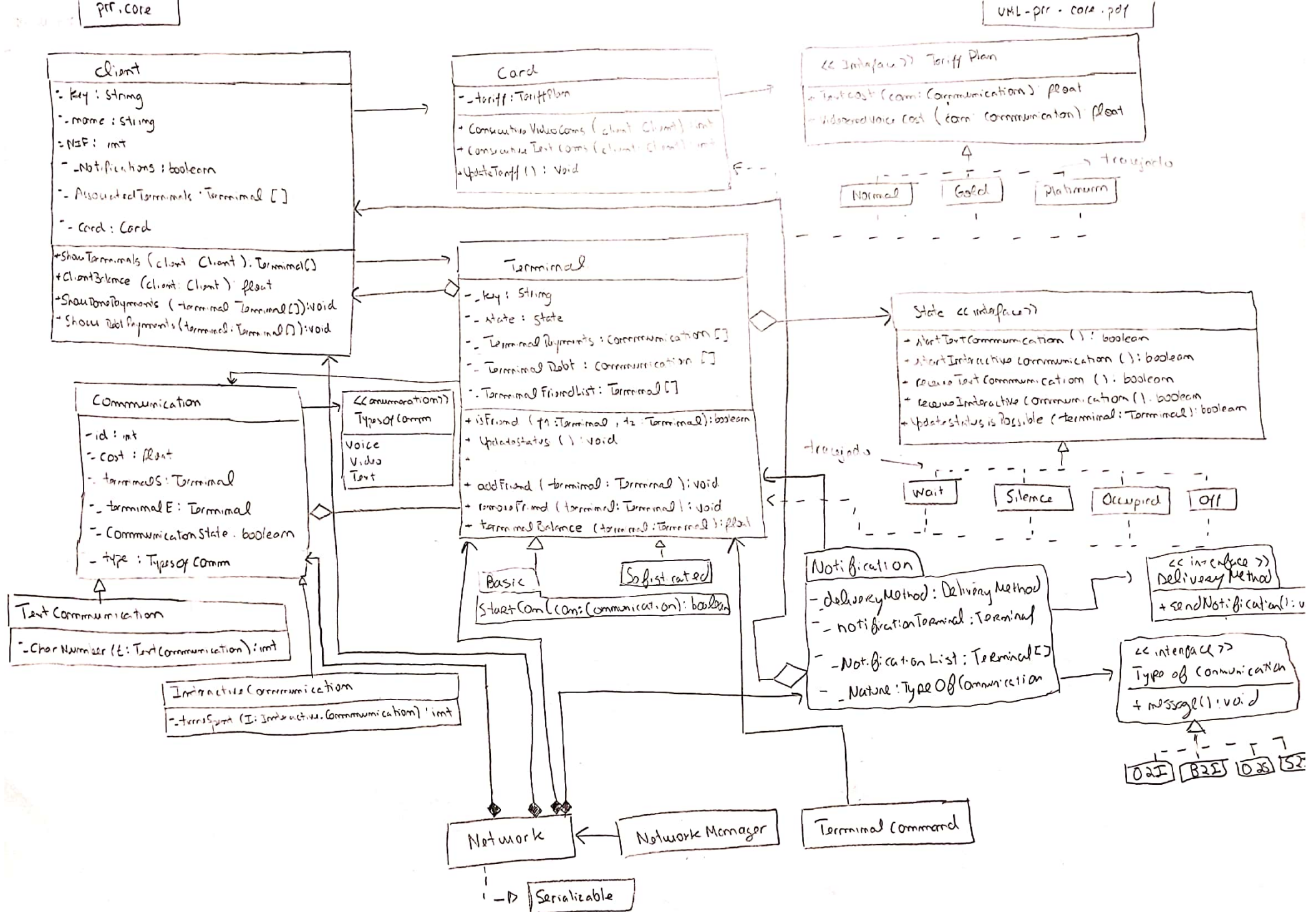
- « final » serialVersionIUD : long = 202208091753L

UnavailableFileException

- « final » serialVérsionUID = 202208091753L

UnrecognizedEntryException

- « final » serialVersionUID = 202208091753L

- _entrySpecification : String

Exception

Client
- -key : String
- -name : String
- -NIF : int
- -Notifications : boolean
- -AssociatedTerminals : Terminal []
- -Card : Card

- +ShowTerminals (client: Client) : Terminal()
- +ClientBalance (client: Client) : float
- +ShowDonePayments (terminal: Terminal []) : void
- +Show Debt Payments (terminal: Terminal()) : void

Card
- -tariff : TariffPlan

- +Consecutive VideoComs (client: Client) : int
- +Consecutive Text Coms (client: Client) : int
- +UpdateTariff () : void

<<Interface>> Tariff Plan
- +Text cost (com: Communication) : float
- +Video and Voice Cost (com: Communication) : float

[Normal] [Gold] [Platinum]   → trayado

Terminal
- -key : String
- -state : State
- -Terminal Payments : Communication []
- -Terminal Debt : Communication []
- -Terminal FriendList : Terminal []

- +isFriend (t1: Terminal, t2: Terminal) : boolean
- +UpdateStatus () : void

- +addFriend (terminal: Terminal) : void
- +removeFriend (terminal: Terminal) : void
- +terminal Balance (terminal: Terminal) : float

<<enumeration>> TypesofComm
Voice
Video
Text

Communication
- -id : int
- -cost : float
- -terminalS : Terminal
- -terminalE : Terminal
- -CommunicationState : boolean
- -type : TypesofComm

State <<interface>>
- +startTextCommunication () : boolean
- +startInteractive Communication () : boolean
- +receive Text Communication () : boolean
- +receive Interactive Communication () : boolean
- +UpdateStatus is Possible (terminal: Terminal) : boolean

→ trayado
[Wait] [Silence] [Occupied] [Off]

Text Communication
- -CharNumber (t: TextCommunication) : int

Basic
StartCom (com: Communication) : boolean

[Sofisticated]

Interactive Communication
- -termSpent (I: Interactive Communication) : int

Notification
- -deliveryMethod : DeliveryMethod
- -notificationTerminal : Terminal
- -Notification List : Terminal []
- -Nature : Type Of Communication

<< interface >> Delivery Method
- +sendNotification () : void

<< interface >> Type of Communication
- +message () : void

[O2I] [B2I] [O2S] [S2I]

[Network]

[Network Manager]

[Terminal Command]

Network ---▷ [Serializable]

Network

- << final >> Serial Version UID : long = 202208099313L

+ import File (FileName : String)
+ Disable Client Notifications (Client key: String) : void
+ Enable Client Notifications (Client key : String) : void
+ Register Client (key : String, name : String, NIF : int) : Client
+ Show All Clients ( ) : Clients []
- Show Client ( ) : Client
+ Show Client Payments and Debts (Client key : String) : Communication []
+ Show All Communications ( ) : Communication []
+ Show Clients With Debts ( ) : Client []
+ Show Clients Without Debts ( ) : Client []
+ Show Communication From Client (Client key : String) : Communication []
+ Show Communications To Client (Client key : String) : Communication []
+ Show Terminal with Positive Balance ( ) : Terminal []
+ Show Unused Terminal ( ) : Terminal []

- Show Global Balance ( ) : float

- Add Friend (Terminal key : String) : void
+ End Interactive Communication (Communication id) : int
+ Perform Payment (Terminal key : String, Communication id : int) : void
+ Send Text Communication (Communication id : int, Terminal key : String) : void
+ Show ongoing Communication ( ) : Communication []
+ Show Terminal Balance (Terminal key : String) : float
- Silence Terminal (Terminal key : String) : void
- Start Interactive Communication (Communication id : int, Terminal key : String) : void

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+ Turn Off Terminal (Terminal key : String) : void
+ Turn on Terminal (Terminal key : String) : void
+ Open Menu Terminal Console ( ) : void
+ Register Terminal (Terminal key : String) : void
+ Show All Terminals ( ) : Terminal []
- Remove Friend (Terminal key : String) : void

Network Manager

- network : Network

+ Load (Filename : String)
+ Save () : void
+ Save AS (filename : String)
+ Import File (text file : String) : void
+ Disable Client Notifications (Client Key : String) : void
+ Enable Client Notifications (Client Key : String) : void
+ Register Client (key : String, name : String) : Client
+ Show All Clients () : Client[]
+ Show Client () : Client
+ Show Client Payment Debts (Client key : String) : Communication[]
+ Show All Communications () : Communication[]
+ Show Clients with Debts () : Client[]
+ Show Clients without Debts () : Client[]
+ Show Communication From Client (Client Key : String) : Communication[]
+ Show Communication To Client (Client Key : String) : Communication[]
+ Show Terminal with Positive Balance () : Terminal
+ Show Global Balance () : float

+ Add Friend (Terminal key : String) : void
+ End Interactive Communication (Communication id) : int
+ Perform Payment (Terminal Key : String, communication id : int) : void
+ Send Text Communication (Communication id : int, Terminal key : String) : void

+ Show ongoing communication () : Communication[]
+ Show Terminal Balance (Terminal Key : String) : float
+ Silence Terminal (Terminal Key : String) : void

Continuação do Network

+ Start Interactive Communication (communication id : int, Terminal key : String, communication terminal S) : void
+ Turn Off Terminal (Terminal key : String) : void
+ Turn On Terminal (Terminal Key : String) : void
+ Open New Terminal Console () : void
+ Register Terminal (Terminal Key : String) : void
+ Show All Terminals () : Terminal[]
+ Remove Friend (Terminal key : String) : void

Terminal Command

« final » serialVersionUID = 202208091753L

+ AddFriend (Terminal key) : void

+ EndInteractive Communication (Communication id) : int

+ PerformPayment (Terminal key : String) : void

+ RemoveFriend (Terminal key : String) void.

+ SendTextCommunication (Communication id, Communication terminal E, Communication terminal S) : void

+ ShowOngoing Communication ( ) : Communication []

+ ShowTerminal Balance (Terminal key : String) : float

+ SilenceTerminal (Terminal key : String) : void

+ StartInteractive Communication (Communication id, Communication terminal E, Communication terminal S) : void

+ TurnOff Terminal (Terminal key : String) void

+ TurnOn Terminal (Terminal key : String) : void

Declaro por minha honra que este diagrama foi realizado apenas pelos elementos que constituem o grupo do projeto - Diogo Guerreiro 99656

Declaro por minha honra que este diagrama foi realizado apenas pelos elementos que constituem o grupo do projeto - André Bento - 99642

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