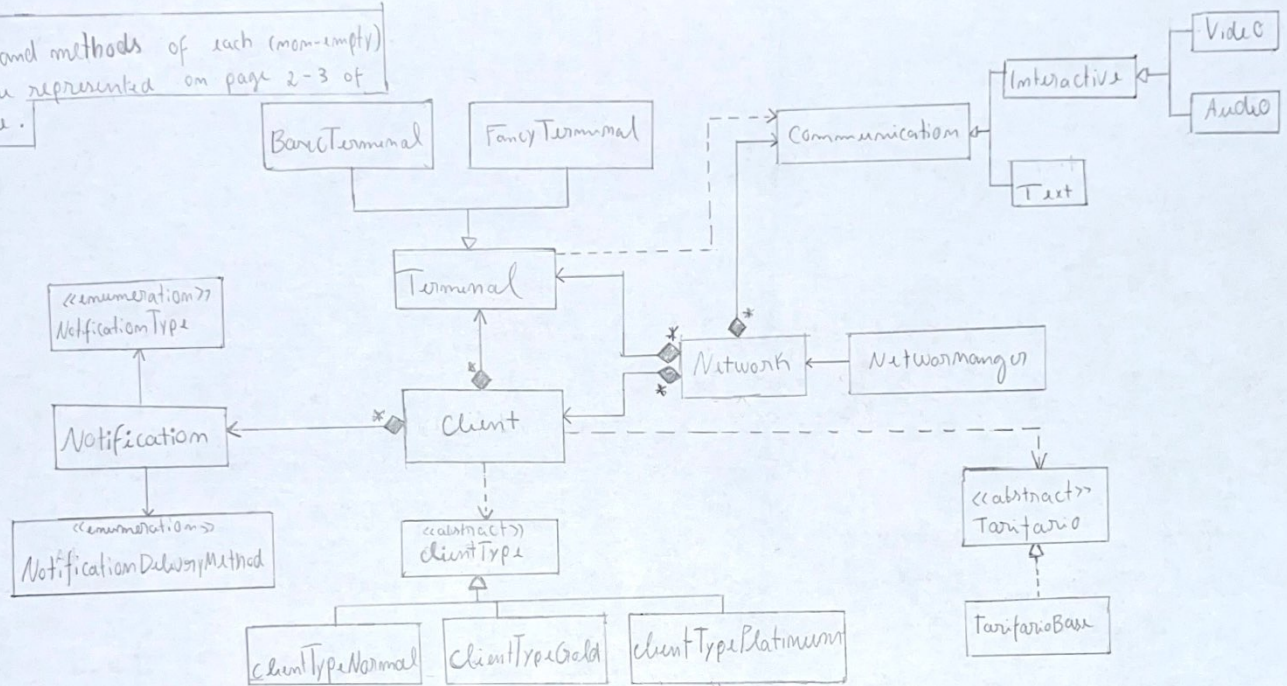
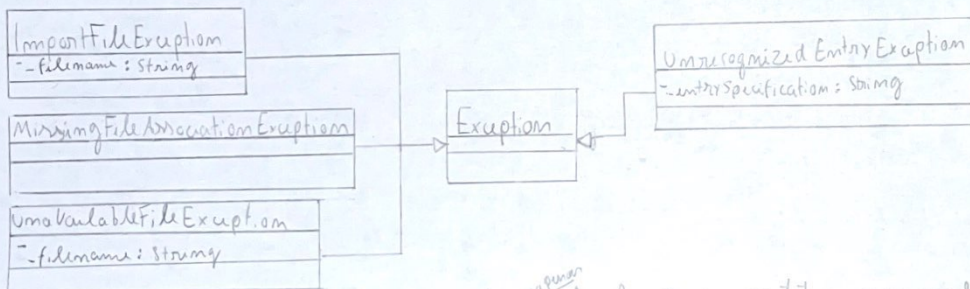


Fields and methods of each (non-empty) class are represented on page 2-3 of this file.



Methods "equals" and "toString" are omitted since they are inherited from `Object`. Getters and setters are omitted as well, so the diagram doesn't get too extensive.



Declaro por minha honra que este diagrama foi realizado pelos elementos que constituem o grupo de projeto. Rodrigo Trião m: 104139 / Grupo 103
 Declaro por minha honra que este diagrama foi realizado pelos elementos que constituem o grupo de projeto. João Fidalgo m: 103771

Network

- + disable Client Notifications (key: String): void
- + enable Notifications (key: String): void
- + register Client (key: String, name: String, tax Id: long): void
- + Show All Clients (): void
- + Show Client (key: String): void
- + Show Client Payments And Debts (key: String): void
- + Show All Communications (): void
- + Show Clients With Debts (): void
- + calculate Global Balance (): int
- + Show Clients without Debts (): void
- + Show Communications From Client (client key: String): void
- + Show Communications To Client (client key: String): void
- + Show Terminals with Positive Balance (): void
- + Show Vmured Terminals (): void
- + open File (): void
- + save File (): void
- + open Menu Client (): void
- + open Menu Terminals (): void
- + open Menu Lookups (): void
- + add Friend (terminal key: String): void
- + end Interactive Communication (): int
- + perform Payment (comm key: int): void
- + remove Friend (terminal key: String): void
- + send Text Communication (terminal key: String, textMessage: String): void
- + show Ongoing Communication (): void
- + Show Terminal Balance (): void
- + Silence Terminal (): void
- + start Interactive Communication (terminal key: String, commType: String): void
- + turn Off Terminal (): void
- + turn On Terminal (): void
- + open Menu Terminal Centrale (terminal key: String): void
- + Register Terminal (terminal key: String, terminalType: String, client key: String): void
- + show all terminals (): void

Network Manager

- + load (Filename: String): void
- + save (): void
- + save As (File Name: String): void
- + import File (Filename: String): void

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nº 104139 Grupo 103

nº 103471

ClientType
+ upgrade(): void
+ downgrade(): void

Client
- _key: String
- _name: String
- _taxId: Long
- _Terminal List[]: Terminal
- _notificationsOn: boolean
+ BalanceClient(): int
+ canUpgradeState(): boolean
+ canDowngradeState(): boolean

Terminal
- _terminalKey: String
- _paymentsMade: int
- _debts: int
- _friends[]: Terminal
- _state: String
- _owner: Client
+ BalanceClient(): int
+ calculateInteractivePayment(duration: int): int
+ calculateTextPayment(charCount: int): int

Notification
- _notificationType: String
- _fromTerminal: Terminal
- _sent: boolean
+ send(): void

Interactive
- _duration: int
- _state: String
+ calculateDuration(): int

Text
- _textMessage: String
+ countChar(): int

Communication
- _commKey: int
- _originTerminal: Terminal
- _destinyTerminal: Terminal

<<enumeration>> NotificationType
O2S
O2I
S2I
B2I

<<enumeration>> NotificationDeliveryMethod
APP
EMAIL
SMS
POSTCARD
OTHER

m: 104139

m: 103471

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Declaro por minha honra que este diagrama foi realizado pelos elementos que constituem o grupo de projeto. João Fidalgo Grupo 103