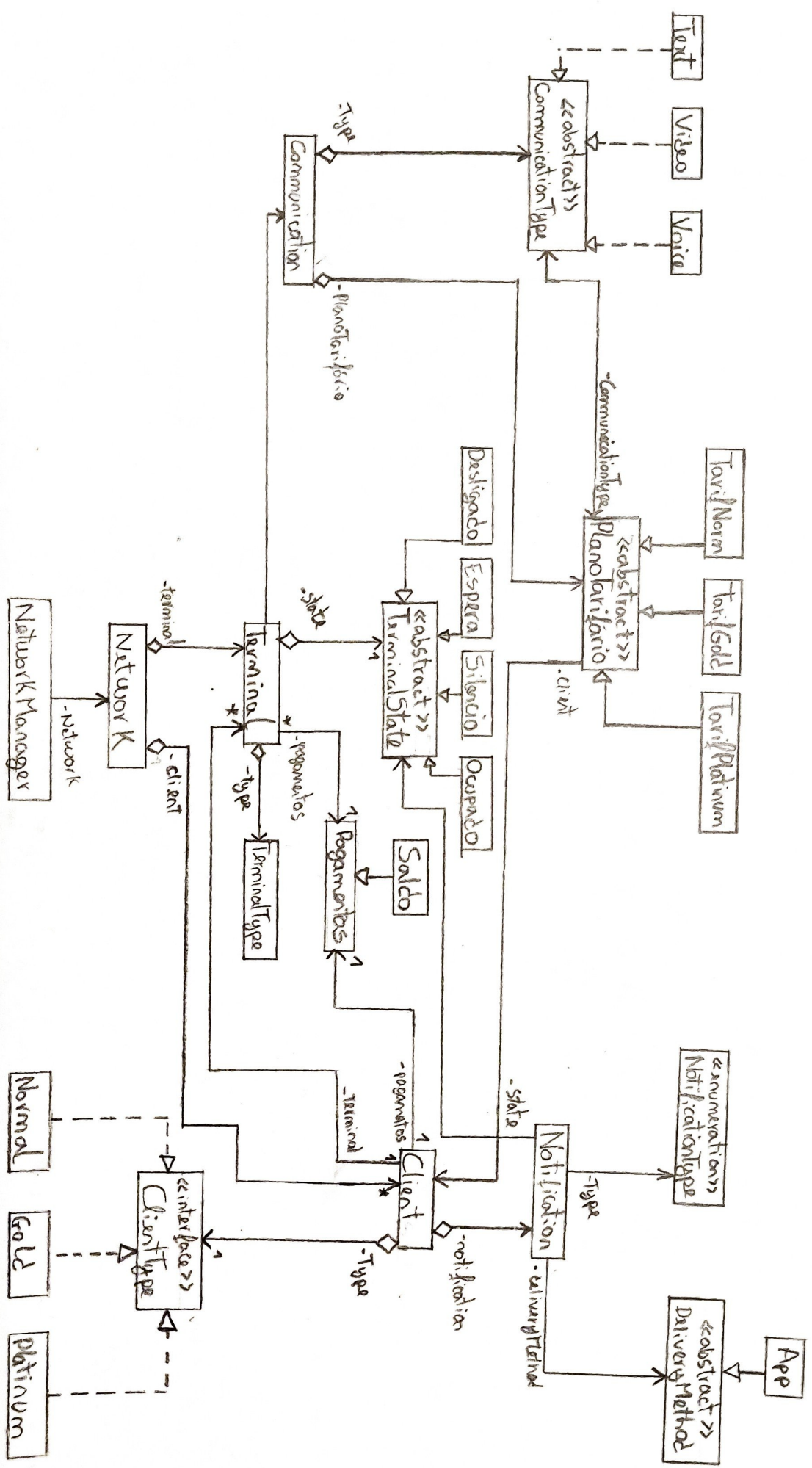


Declare por minha honra que este diagrama foi realizado apenas pelos elementos que constituem o grupo de projeto. Garde André Santos 102645  
 Declare por minha honra que este diagrama foi realizado apenas pelos elementos que constituem o grupo de projeto. André Oliveira 103011

Os métodos "equals" e "toString" foram omitidos, assim como getters e setters. Os números séria das classes também foram omitidos.



## Network

```
import File (fileName): String -> void
+ disableClientNotification(c: Client): void
+ enableClientNotification(c: Client): void
+ registerClient(ch: String, name: String, nid: int): void
+ showAllClients(): Client[]
+ showClient(): Client
+ showClientPaymentsAndDebts(c: Client): Payments
+ showAllCommunications(): Communication[]
+ showClientsWithDebts(): Client[]
+ showCommunicationsFromClient(c: Client): Communication[]
+ showCommunicationsToClient(c: Client): Communication[]
+ showTerminalsWithPositiveBalance(): Terminals[]
+ showUnusedTerminals(): Terminals[]
+ openMenuTerminalConsole(): void
+ showAllTerminals(): Terminal[]
+ registerTerminal(chave: String): void
```

## Terminal

```
- chave: String
+ getFriendList(): Terminal[]
+ getTerminalType(): TerminalType
+ getTerminalState(): TerminalState
+ getPayments(): Payments
+ initiateCommunication(): void
+ addFriend(t: Terminal, tc: Terminal): void
+ endInteractiveCommunication(c: Communication): void
+ performPayment(p: Payments): void
+ removeFriend(t: Terminal, tc: Terminal): void
+ sendTaxiCommunication(t: String, c: Communication): void
+ showOnGoingCommunication(): Communication[]
+ showTerminalBalance(t: Terminal): double
+ silenceTerminal(t: Terminal): void
+ startInteractiveCommunication(c: Communication): void
+ turnOnTerminal(t: Terminal): void
```



Partido por minha nome, que este diagrama foi realizado apenas pelos alunos que constituem o grupo de projeto André Oliveira 103011  
Deixe por minha honra que este diagrama foi realizado apenas pelos elementos que constituem o grupo de projeto. Geraldo André Santos 102645

«interface» ClientType
+ shouldUpgrade(): boolean
+ getUpgrType(): ClientType
+ getLowerType(): ClientType

Client
- chave: String
- nome: String
- nif: int
+ getPagamentos(): Pagamentos[]
+ getClientType(): ClientType
+ getTerminalType(): Terminal[]
+ sendNotification(t: Terminal): void

Saldo
+ SaldoGlobal(): double
+ SaldoClient(): double
+ SaldoTerminal(): double

«abstract» TerminalState
- t: Terminal
+ «abstract» preState(): TerminalState
+ «abstract» changeState(): void

Desligado
+ preState(): TerminalState
+ changeState(): void

Normal
+ shouldUpgrade(): boolean
+ getUpgrType(): ClientType
+ getLowerType(): ClientType

Notification
- terminal: Terminal
- info: String
+ getTerminalState(t: Terminal): TerminalState
+ sendNotification(m: info, t: Terminal): void
+ getNotificationType(): NotificationType
+ getDeliveryMethod(): DeliveryMethod

Espira
+ preState(): TerminalState
+ changeState(): void

Silencio
+ preState(): TerminalState
+ changeState(): void

Ocupado
+ preState(): TerminalState
+ changeState(): void

Gold
+ shouldUpgrade(): boolean
+ getUpgrType(): ClientType
+ getLowerType(): ClientType

«enumeration» NotificationType
ALL
TEXT

Communication
- ObjTerminal: Terminal
- DestTerminal: Terminal
+ isFriend(t: Terminal, ts: Terminal[]): boolean
+ getCommunicationType(): CommunicationType
+ getPlaneTarifario(): Planotar: float
+ calculateCommunicationCost(): double

Platinum
+ shouldUpgrade(): boolean
+ getUpgrType(): ClientType
+ getLowerType(): ClientType

App
- info: String
+ sendNotification(m: info): void

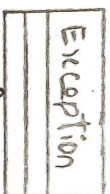
Text
+ isText(): boolean

Video
+ isVideo(): boolean

Pagamentos
- livida: double
- estvueds: double
+ increaseLivida(d: double): void
+ decreaseLivida(d: double): void
+ increaseEstvueds(d: double): void

«abstract» CommunicationType
duration: int
text: String
+ «abstract» isVoice(): boolean
+ «abstract» isVideo(): boolean
+ «abstract» isText(): boolean

Voice
+ isVoice(): boolean



prr\_exceptions

ImportFileException

MissingFileAssociationException

UnavailableFileException

UnrecognizedEntryException

«abstract»  
PlanoTarifario

- caracteres: int  
- duracao: int

+ «abstract» getValorTarif(n: int): int  
+ getCliGetType(): ClientType  
+ getPlanoTarifario(c: ClientType, n: int): int  
+ getTotal(n: int, tarifa: int): int  
+ isFrmid(t: TerminalTs: Terminal[]): boolean  
+ applyDiscount(total: int): double

TarifNorm

- n: int  
+ getValorTarif(n: int): int

TarifGold

- n: int  
+ getValorTarif(n: int): int

TarifPlatinum

- n: int  
+ getValorTarif(n: int): int

NetworkManager

- networkK: Network

+ load(filename: String): void  
+ save(): void  
+ saveAs(filename: String): void  
+ importFile(filename: String): void  
+ globalBalance(): double

Ordem por minha conta que este diagrama foi realizado apenas pelos elementos que constituem o grupo de projeto. André Oliveira 103011  
Declaro por minha conta que este diagrama foi realizado apenas pelos elementos que constituem o grupo de projeto. Gabriela Santos. 102645