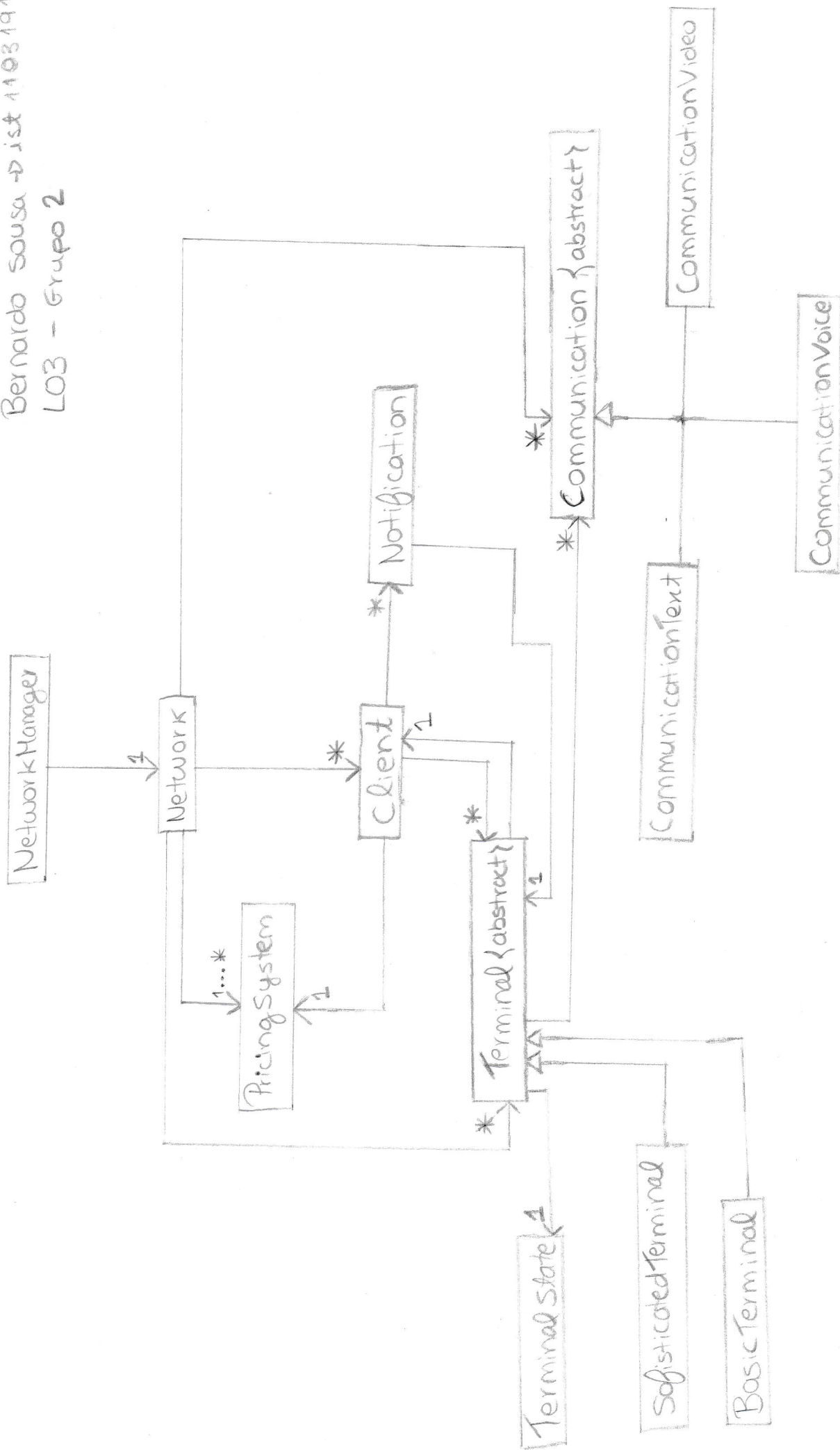


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LO3 - Grupo 2



Terminal {abstract}

```
- _key: String
- _payments: double
- _debts: double
- _TYPE: String

+ setState(state: String)
+ addFriend(key: String)
+ removeFriend(key: String)
+ makeCommunication(targetKey: String, type: String) (x)
+ sendTextCommunication(targetKey: String, message: String)
+ startInteractiveCommunication(targetKey: String, type: String)
+ computeBalance(): double
+ toString(): String
+ endInteractiveCommunication()
```

SofisticatedTerminal

```
+ makeCommunication(targetKey: String, type: String): boolean
+ startInteractiveCommunication(targetKey: String, type: String): boolean
+ toString(): String
```

BasicTerminal

```
+ makeCommunication(targetKey: String, type: String): boolean
+ startInteractiveCommunication(targetKey: String, type: String): boolean
+ toString(): String
```

TerminalState

```
- _state: String

+ canStartCommunication(): boolean
+ canReceiveCommunication(): boolean
+ canReceiveText(): boolean
+ canGetToWait(state: String): boolean
+ canGetToSilence(state: String): boolean
+ canGetToBusy(state: String): boolean
+ canGetToOff(state: String): boolean
+ setState(state: String): boolean
```

PricingSystem

```
- _name: String
- _nameLevels: String[]
- _textPrice: int[]
- _callPrice: int[]
- _videoPrice: int[]
```

Client

```

--key: String
--name: String
--nif: long
--type: String
--payments: double
--debts: double
--notificationsOn: boolean
+ getBalance(): float
+ registerTerminal(key: String, type: String)
+ activateNotification()
+ deactivateNotification()
+ toString(): String
+ changeDeliveryMethod(deliveryMethod: String)

```

Notification

```

--nature: String
--deliveryMethod: String
+ notifyClient(): void
+ toString(): String

```

Communication {abstract}

```

--communicationKey: int
--communicationQuantity: int
--originTerminalKey: String
--targetTerminalKey: String
--price: double
--paid: boolean
+ payCommunication(): void
+ toString(): String

```

Network Manager

```

--networks: Network
+ loadNetwork(filename: String): void
+ saveNetwork(): void
+ saveAsNetwork(filename: String): void
+ turnOffNetwork(): void
+ turnOnNetwork(): void

```

Network

```

+ computeBalance(): double
+ getGlobalPayments(): double
+ getGlobalDebts(): double
+ registerClient(clientKey: String)
+ registerTerminal(terminalKey: String, type: String, clientKey: String)

```

CommunicationVoice

```

--duration: double
--state: boolean
--voiceTariff: int
+ calculatePrice(duration: float): double
+ toString(): String

```

CommunicationText

```

--sendMessage: String
--messageTariff: int[]
+ calculatePrice(): float
+ toString(): String

```

CommunicationVideo

```

--duration: double
--state: boolean
--videoTariff: int
+ calculatePrice(duration: float): double
+ toString(): String

```