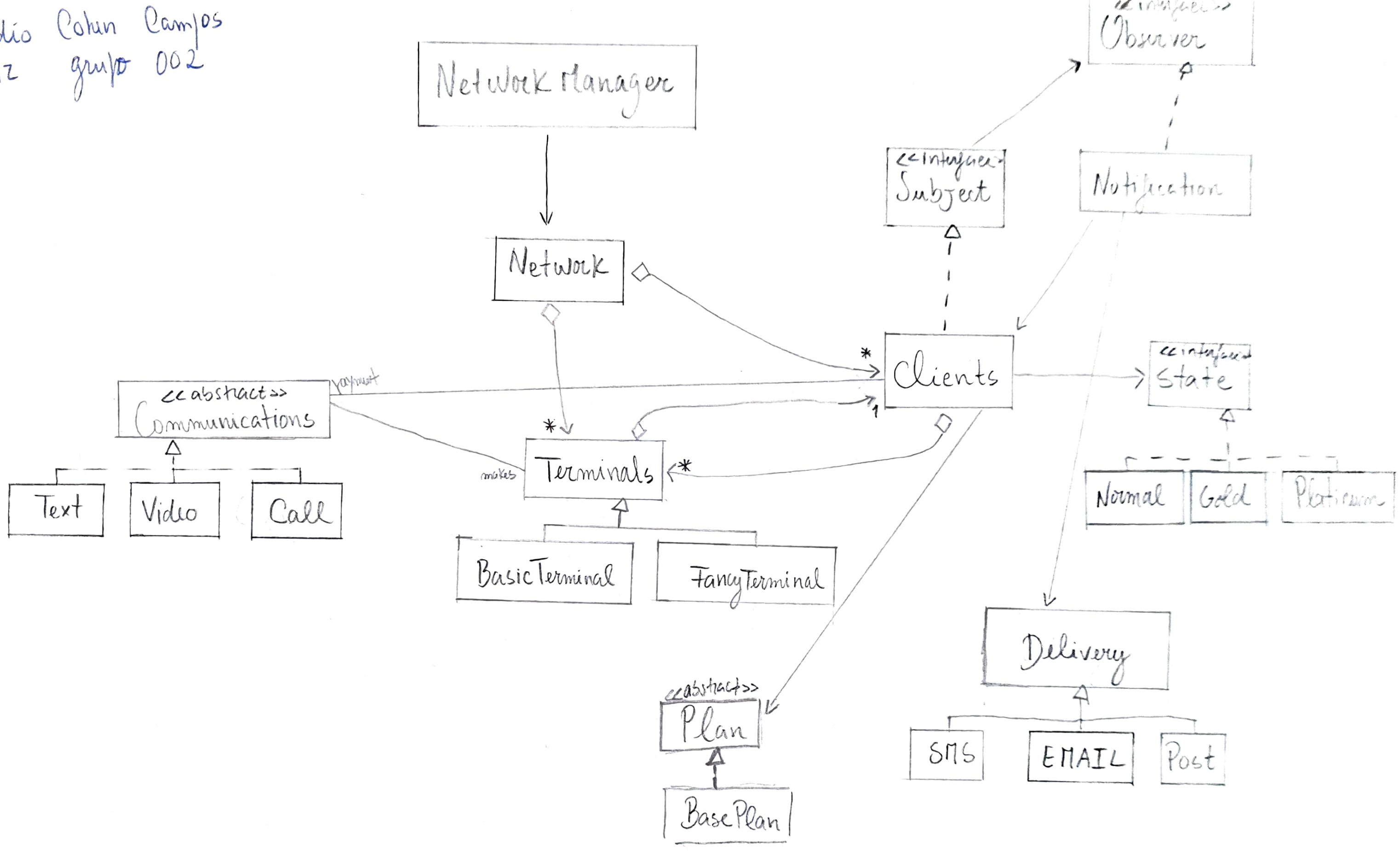
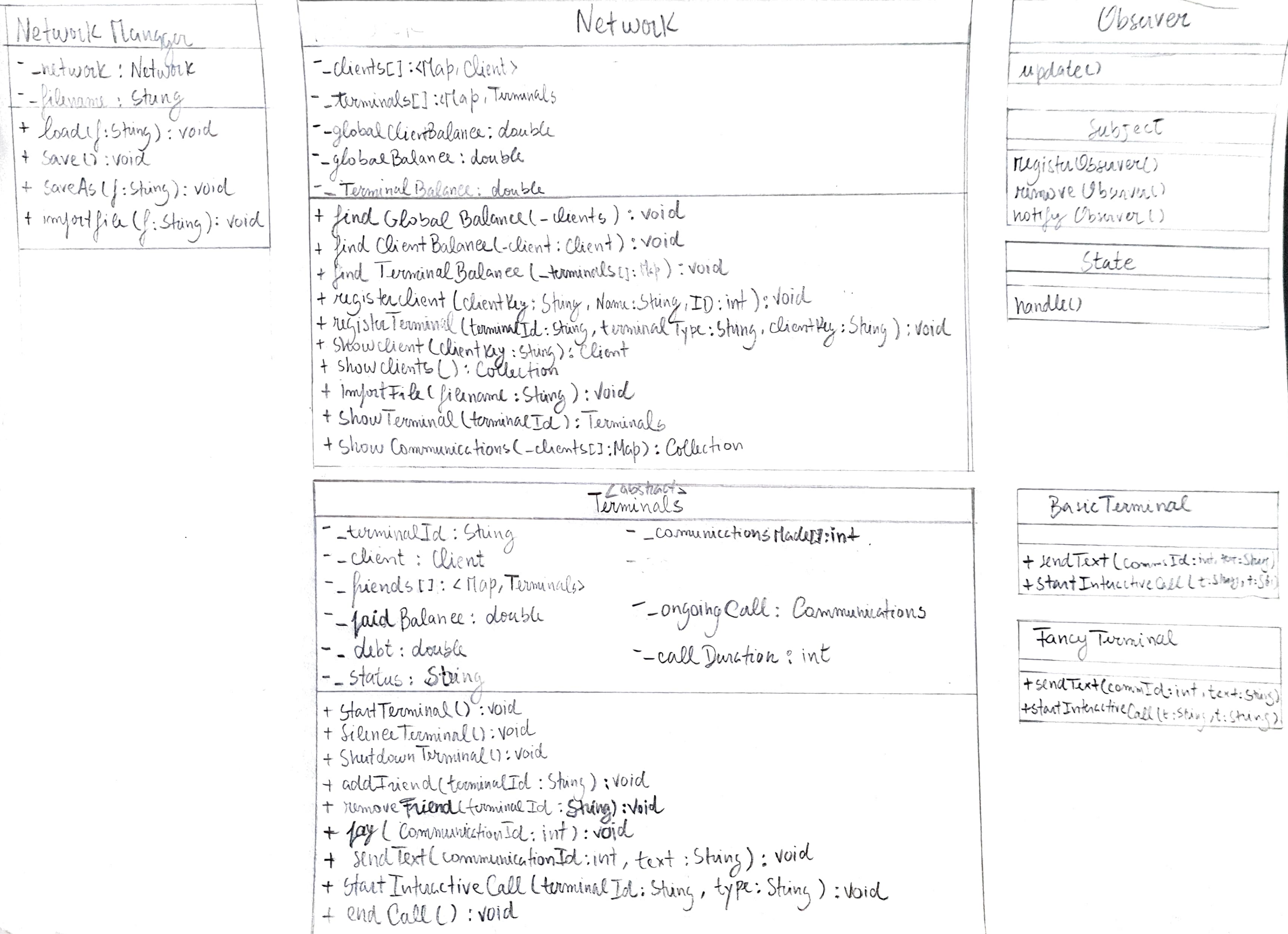
Cláudio Cohn Campos
99192 grupo 002





Network Manager

- _network : Network
- _filename : String

+ load(f:String) : void
+ save() : void
+ saveAs(f:String): void
+ importfile(f:String): void

Network

- _clients[] :<Map, Client>
- _terminals[] :<Map, Terminals
- _globalClientBalance : double
- _globalBalance : double
- _TerminalBalance : double

+ find Global Balance(-clients) : void
+ find ClientBalance(-client : Client) : void
+ find TerminalBalance (_terminals[]: Map) : void
+ registerClient (clientKey : String, Name : String, ID : int) : Void
+ registerTerminal (terminalId : String, terminalType : String, clientKey : String) : void
+ ShowClient (clientKey : String) : Client
+ showClients () : Collection
+ ImportFile (filename : String) : Void
+ ShowTerminal (terminalId) : Terminals
+ Show Communications(-clients[]:Map) : Collection

Observer

update()

Subject

registerObserver()
remove Observer()
notify Observer()

State

handle()

<abstract> Terminals

- _terminalId : String
- _client : Client
- _friends[] : <Map, Terminals>
- _paidBalance : double
- _debt : double
- _status : String
- _communicationsMade[]:int
-
- _ongoingCall : Communications
- _callDuration : int

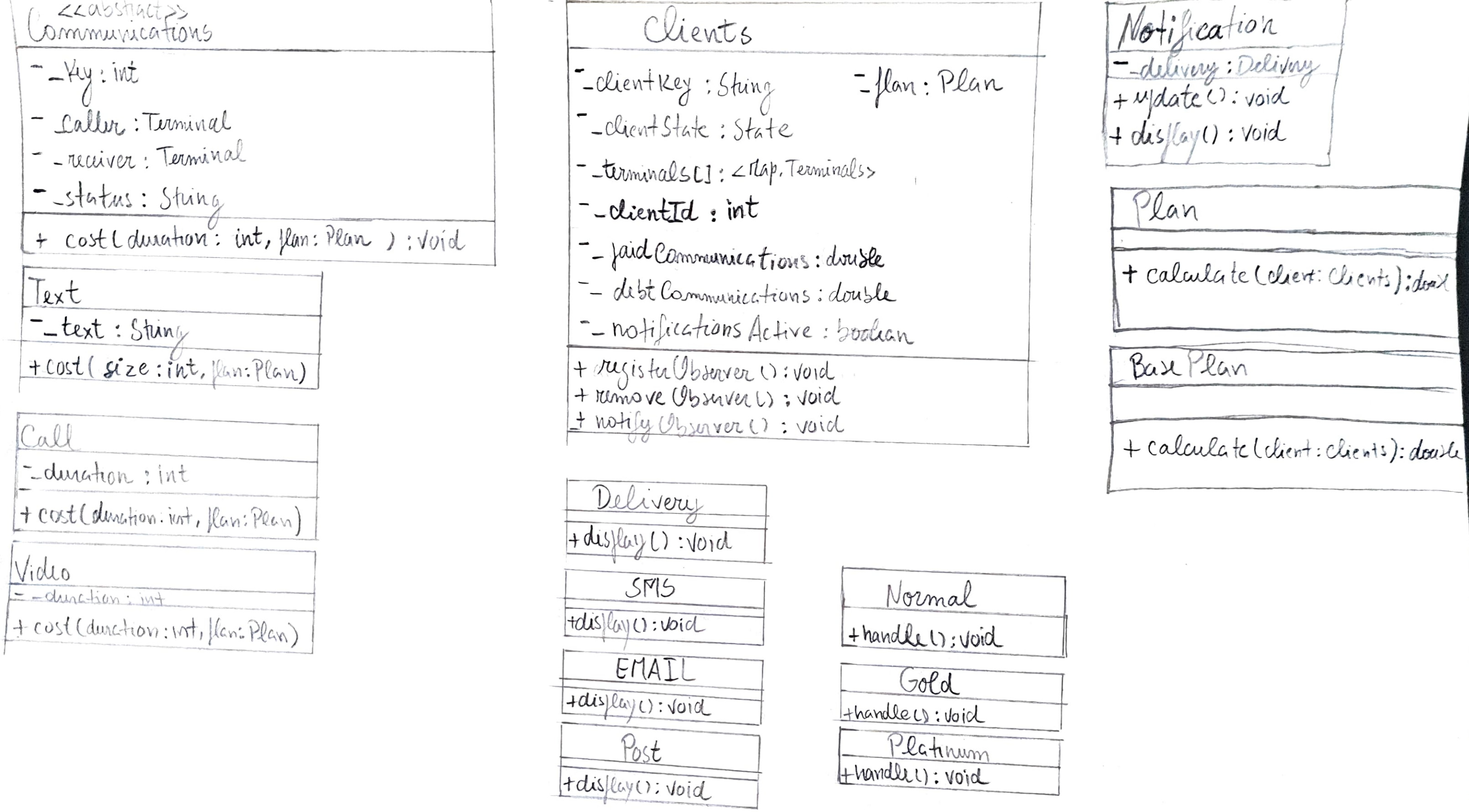
+ StartTerminal() : void
+ SilenceTerminal() : void
+ ShutdownTerminal() : void
+ addFriend(terminalId : String) : void
+ removeFriend(terminalId : String) : Void
+ pay (CommunicationId : int) : void
+ sendText(communicationId : int, text : String) : void
+ StartInteractiveCall (terminalId : String, type : String) : Void
+ end Call () : void

BasicTerminal

+ sendText (commsId : int, text : String)
+ StartInteractiveCall (t : String, t : String)

Fancy Terminal

+ sendText(commId : int, text : String)
+ startInteractiveCall (t : String, t : String)



<<abstract>>
Communications

- _key : int
- caller : Terminal
- _receiver : Terminal
- _status : String

+ cost(duration : int, plan : Plan) : void

Text

- _text : String

+ cost(size : int, plan : Plan)

Call

- _duration : int

+ cost(duration : int, plan : Plan)

Video

- _duration : int

+ cost(duration : int, plan : Plan)

Clients

- _clientKey : String
- _plan : Plan
- _clientState : State
- _terminals[] : <Map, Terminals>
- _clientId : int
- _paidCommunications : double
- _debtCommunications : double
- _notificationsActive : boolean

+ registerObserver () : void
+ remove Observer () : void
+ notify Observer () : void

Delivery

+display() : Void

SMS

+display() : void

EMAIL

+display() : void

Post

+display() : void

Normal

+handle() : void

Gold

+handle() : void

Platinum

+handle() : void

Notification

- _delivery : Delivery

+ update() : void
+ display() : void

Plan

+ calculate(client : Clients) : doubl

Base Plan

+ calculate(client : clients) : double

Declaro por minha honra que este diagrama foi realizado apenas pelos elementos que constituem o grupo de projeto.

. Cláudio Coelho Campos