UML Class Diagrams

Client

#Socket: Datagram Socket

server Port: int

default Transfer Mode: Request, Mode (enun)

- + Main (args: String[])
- + Client(): Client
- + connect()
- + disconnect
- + read (Filename: String)
- + write (Filename: String)
- + send Invalid Request (Filename: String)
- + send Request (19: Request)
- # receive Response()
- + finalize()

Request

- +filename: String
- + action: Action (enum)
- + mode: Mode (enum)
- # is lalid: booken
- + Request (filename: String, action: Action, made: Mode): Request
- + Request (packet lata: byte [], data Length: int) . Request
- + is Valid()
- + generate Packet Data (): byte []
- + generate Packet String O: String

Server

receive Socket: Datagram Socket

port : int

is connected: boolean

+ Server (): Server

+main (args: String[]

+ connect()

trun()

+ receive ()

respond ()

+ disconnect()

+ finalize()

Proxy

proxyPort: int

server Port: int

A receive Socket: Datagram Packet

I send Receive Socket. Datagram Packet

is Connected : booken

serverAddress: InetAddress

+ Proxy(): Proxy

1 main (args: String[])

+ (onned()

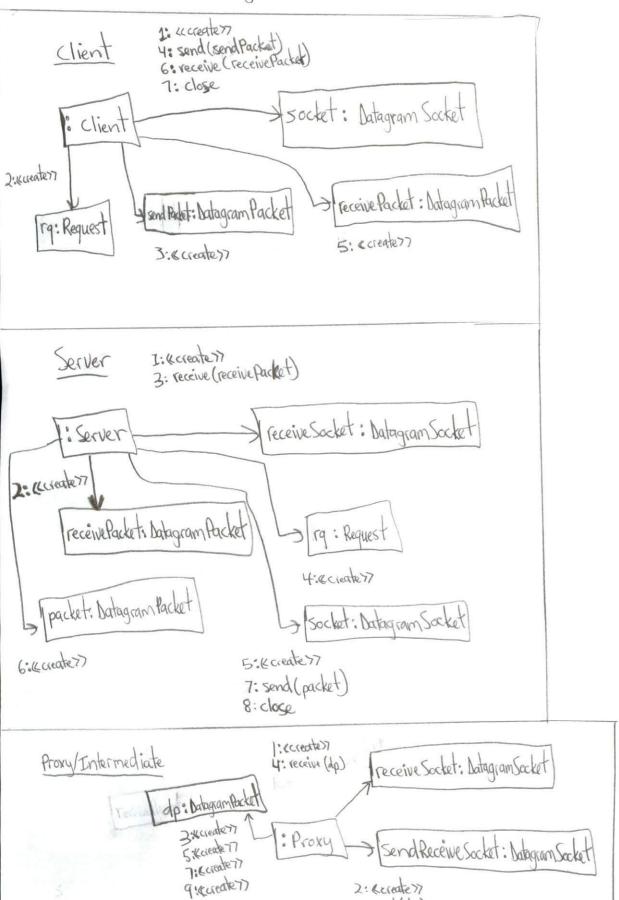
+ run()

+ forward()

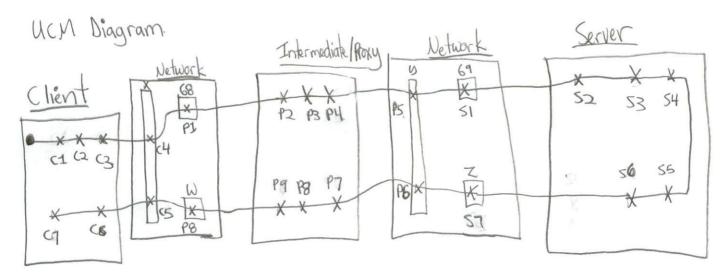
+ disconnect()

+ finalize()

UML Collaboration Diagrams



6: Sord(dp) 8: receive(dp) 10: sord(dp)



CI-form request

cz - create datgram

C4 - send datagram

cs - receive datagram

C6 - extract response

C7 - print response

C3- Print pequest

PI- receive datagram

P2- extract request

P4 - create datagram P5 - send datagram P6 - receive datagram

P7 - Extract response

P8 - create datagram

199- send datagram

P3- print request

Po-print response

SI receive datagram

52- extract request

53- print request

SH-create response

ss- create datagram

S6- print response

57- send datagram