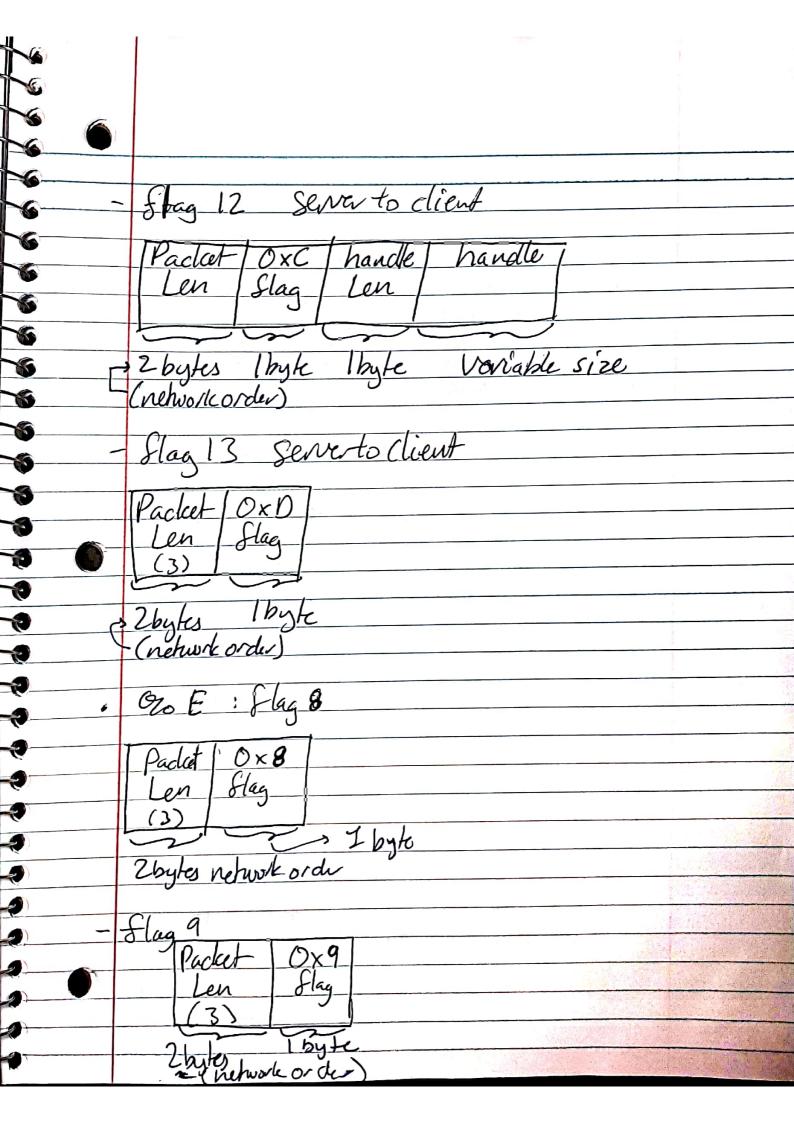
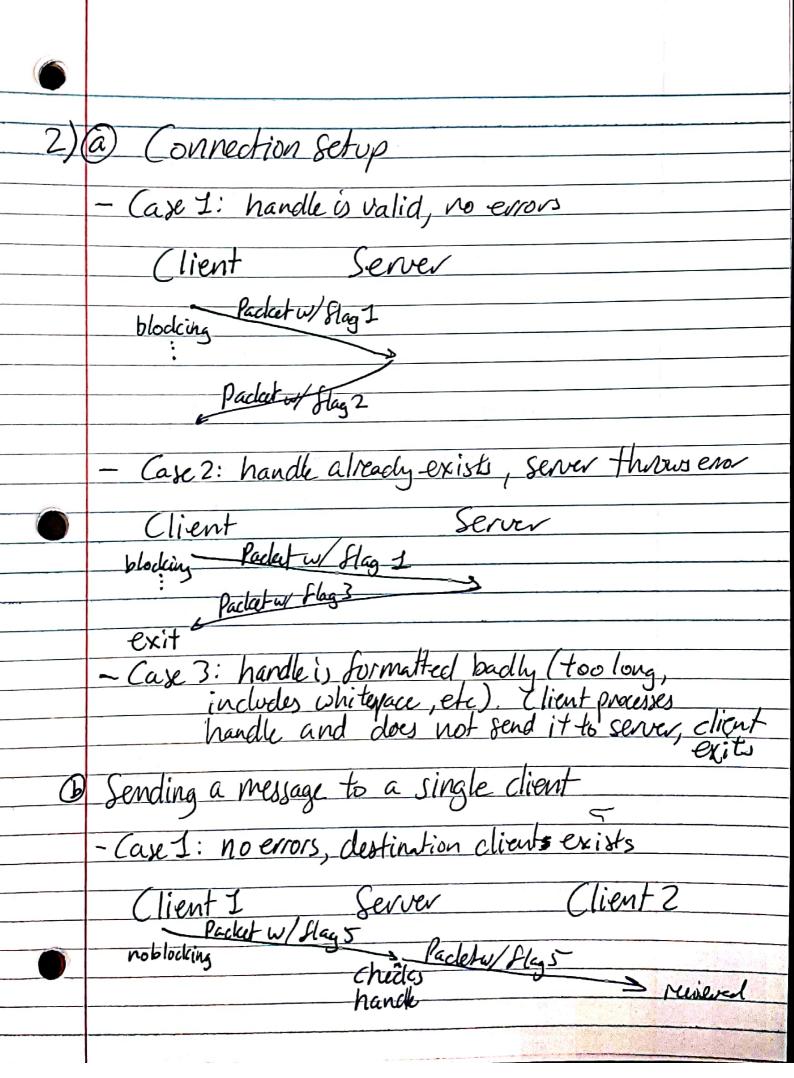


0×4 Length of Sending length ! Sending (jent) handle handle name 2 bytes network) Variable Variable Size Size 100 client to server 9999999 Packet flag 1 byte 2 byles networkorder) client Packet Numbera handles known by the server lbyte bytes (remo/k order



error paclet, handle does not exist handle | handle (the one not Sound) -> 2 bytes 1 byte 1 byte Variable length (network order) I initial padet to server regvesteel handle handle length >2 bytes 1 byte 1 byte Variable length - (netwolcorder) 2 Confirm handle name Packet 0x2 Loyles 1 byte E(network order) error pad hovde rapusted 2 bestes Nehwkorder 1 byte



ase 2: destination handle doesn't exist Client I erver Packet W/ Slag 5 100ks updestination handle & fails Packet w/flag Notifies user Of failed message 1400 characters) Case 3: Message exceeds max length, client cuts message to 1400 chas, and breaks it up info 200 bayle pieces Packet w/ flag notify user it a messagease I: no errors, handles are all valid

- Case 2: One bad handle, server sends to valid, and errors to client I

Client I Server Client 2 Packet to Givents 2,34 Client 3 look up handles, "Client 4"is bad" recolved notify user of ever - Case 2: two bad handles, no good handles, server Sends two error packets (Hay 7) Server Client 1 Packet own to clients 2 and 3 Packet Stag 7 "client 2"

Notify user Packet Stag 7 "client 3"

Notific look uphandles notifyosev

Broad cast a message Case I: brodoast wessage 200 bestes or smaller Tob Padcet look up all clients on packet Case 2: broad cast Message is greater-than 200 byte pieces and sends separately Usertypes long message arb facled Lookerpell

@ Sending a message of 450 charates Client will break it into 3 septrate messages and the serverwill just see it as 3 messages Client 1 Server Vsertypes long Wessage
Client breaks it up

Flag = 5 200 byte Message

Flag = 5 200 byte Message

Flag = 5 50 byte message

Slag = 5 50 byte message 9 8 8

Listing the handles Case I: no evos, assume there are 3 clients Client I azol Packet Flagto a glag 11 packet W/ num of handles Stag 12 paded w/ one start handles print nom printhands Slay 12 Paclet w/ One how done print hade Slay 13 paclet -Stop blodeing STDIN g) Ending a connection - Case I: no errors, client sends flag 8 message server Acics then removes the handle, handle from Sylen Sever Flag 8 packet blocks remove client socked from Slagg from table exits