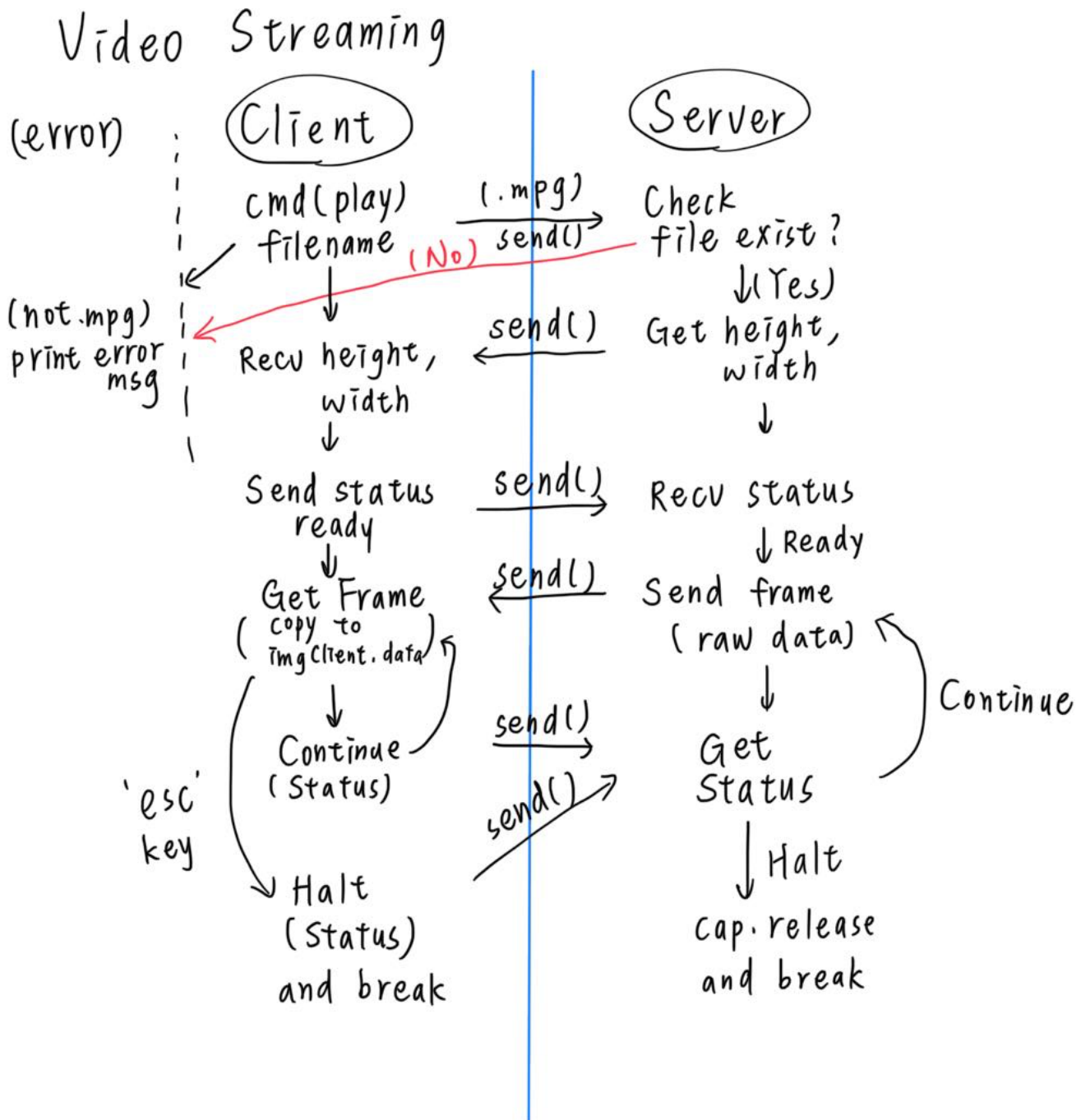


Computer Networks HW2 Report

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1

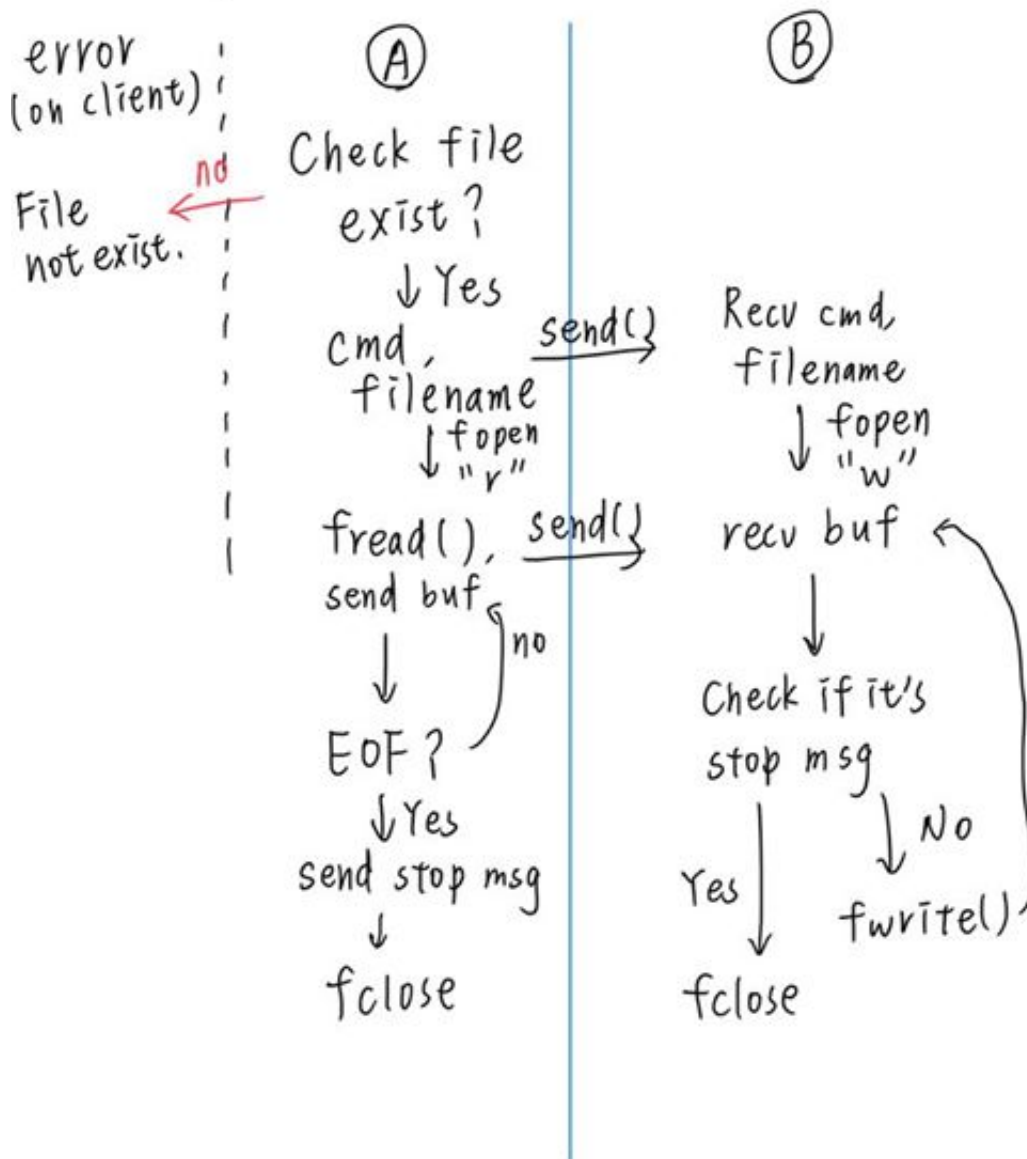


2

File Transfer

get = server (A) to client (B)

put = client (A) to server (B)



3

- If a process `send()` / `write()` to a invalid (broken) pipe or fd (file descriptor), then the system will send a "SIGPIPE" signal to corrupt the process.
- I use `strace` to look up what fd that server `send()` or `recv()` to. Sometimes `Ctrl+C` on client may cause SIGPIPE on server. On server side, I'll check if the return value of `recv()` is -1, then will close the client fd.

- Blocking I/O is not equal to synchronized I/O.
Blocking I/O: kernel should wait until I/O command has finished.
Synchronized I/O: The process should wait until the previous process has finished.
- For example, for a process, if the kernel has finished its task while the I/O is not finished, then asynchronized blocking I/O could continue do other process, while synchronized blocking I/O not.