

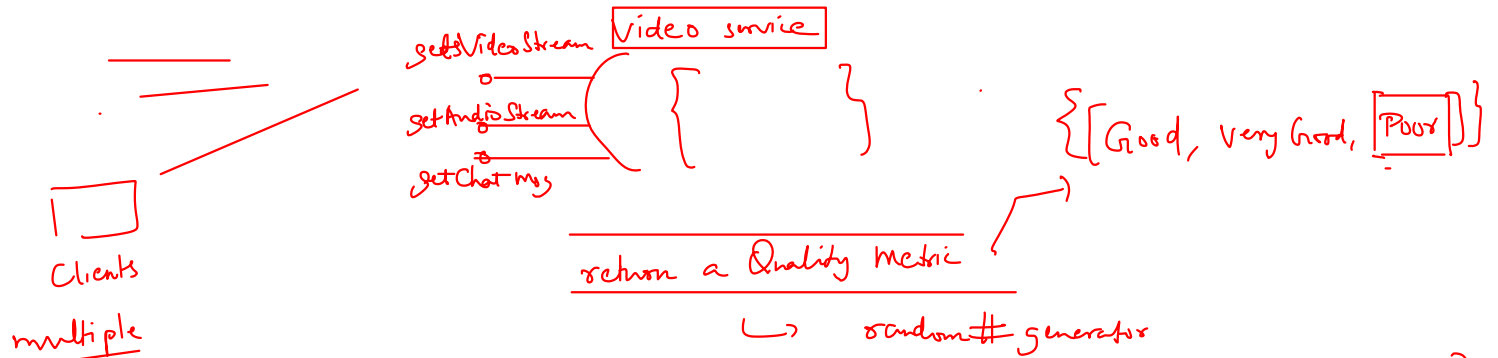
# Circuit Breaker Assignment

Simulate a Video Chat App<sup>n</sup> that offers 3 services } Implement the RESTful services yourself.

- getVideoStream
- getChatMsg
- getAudioStream

Each of these services return a quality metric that can take one of the values from Good, Very Good, Poor. VideoStream has a higher prob. of returning Poor. Compared to AudioStream and chat msg. e.g. 0.4, 0.2, 0.01 respectively.

Rest-API



Circuit Breaker

When the quality of a certain stream is Poor for any 3 attempts out of the last 5, then the Circuit Breaker becomes open. It waits for some time & reattempts that stream.

[Quarkus], springboot, Akka] } reactive frameworks

↳ Performance metrics

↳ native

① [memory req.] || ② \_\_\_\_\_