

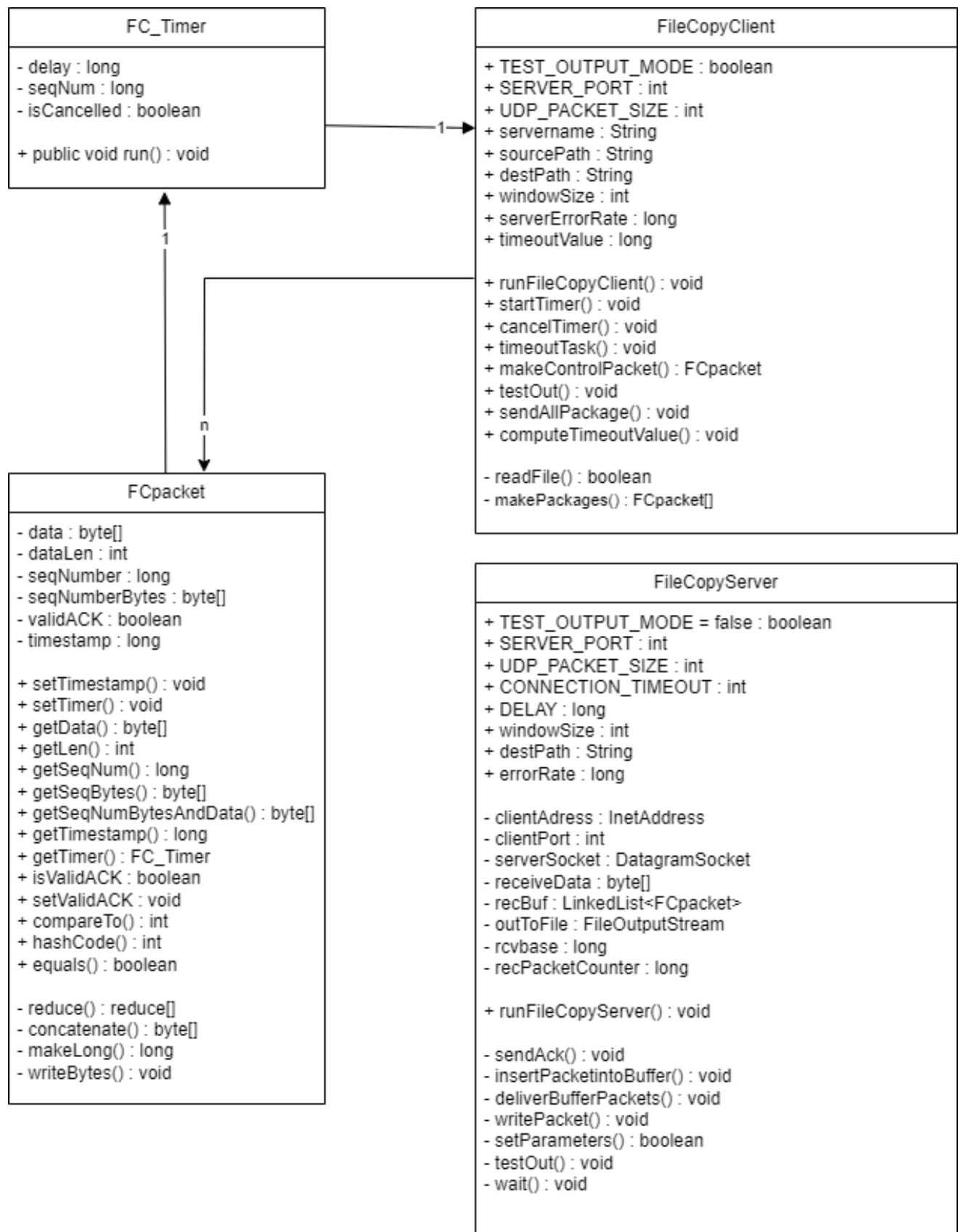
ToDo's:

1. RTT-Berechnung
2. RTT-Messung (computeTimeoutValue(long sampleRTT))
3. Methode: - readFile() : boolean
4. Methode: makePackages() : FCpacket[]
5. timeoutTask(long seqNum)
6. Methode: sendAllPackage() : void
7. Methode: computeTimeoutValue() : void
8. runFileCopyClient()

Ablaufpläne

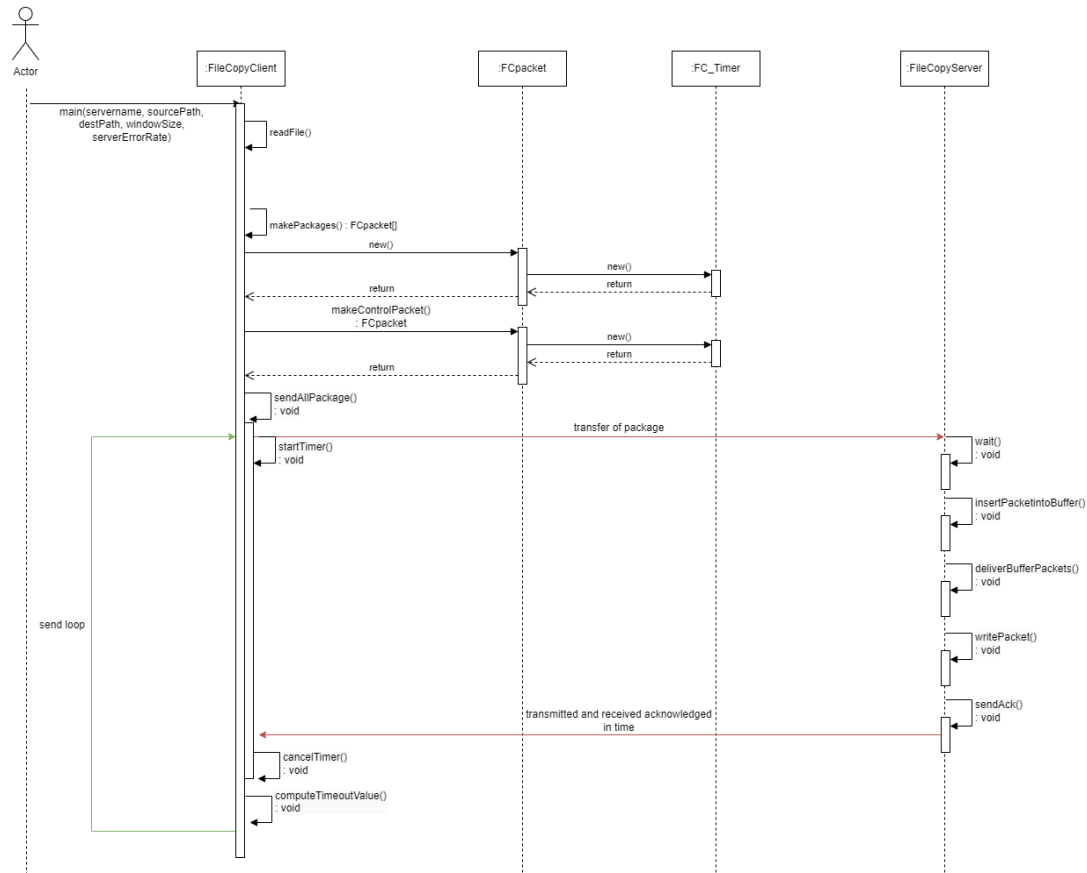
```
public void runFileCopyClient() {  
  
    // ToDo!!  
    // 1. Datei einlesen  
    // 1.1 check file exists  
  
  
    // 2. Make Packages from File  
    // Make List Of All Packages  
  
    // 3. Fill buffer  
  
    //----> sendAllPackages()  
  
}  
  
public void SendAllPackages(){  
  
    // 1. Send Control Package (explicitly or implicitly)  
    // 2. Wait for Ack  
    // 3. Loop : for all Packages  
    // 3.1 SendPackage(pkg || sendBuffer[0] )  
    // 3.2 Start Timer  
    // 3.4 Wait for ACK ((OR Timeout))  
    // 3.4.1 Remove Pkg from SendBuffer <-- new Method?  
    // 3.4.2 No-ACK : TimeOut: resend (-> Loop Continue???)  
    // 3.4.2.1 Increase TimeOutCounter  
    // 3.5 : computeTimeoutValue  
    // 3.6 CancelTimer()  
    // 3.7 Put package into buffer and restart loop  
  
  
    // Schreibe Statistik ....  
  
}
```

UML



FlowChart

Successful sending of packages



Sending of packages with timeout

