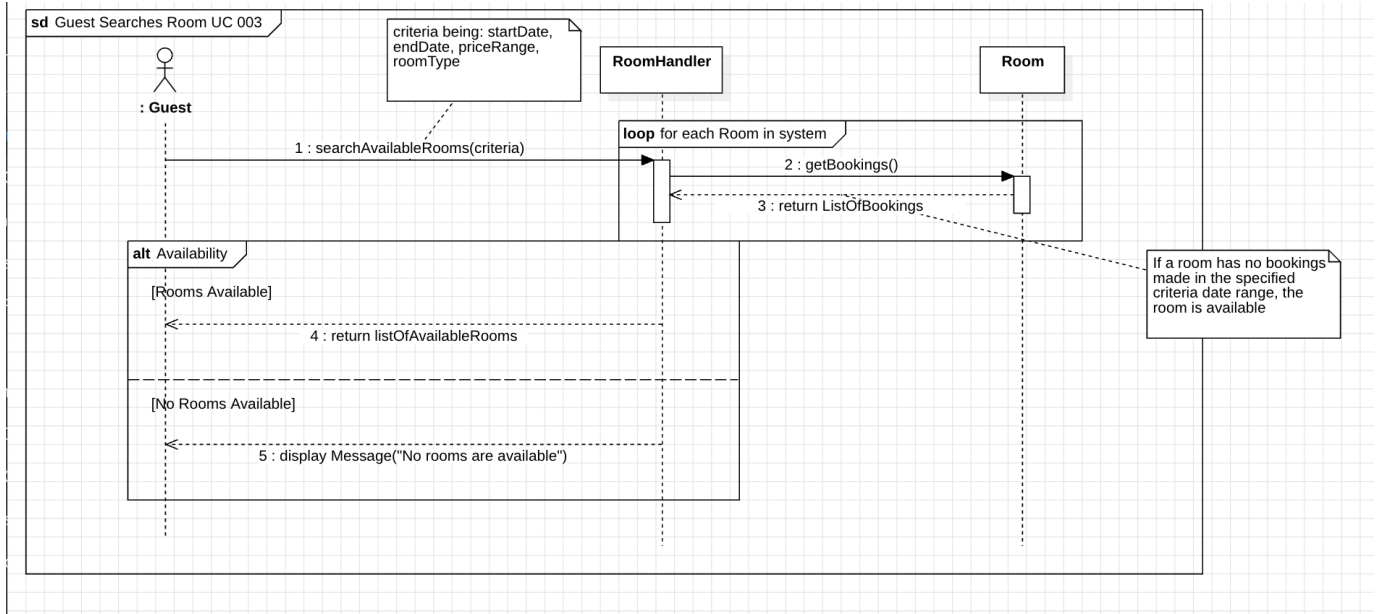
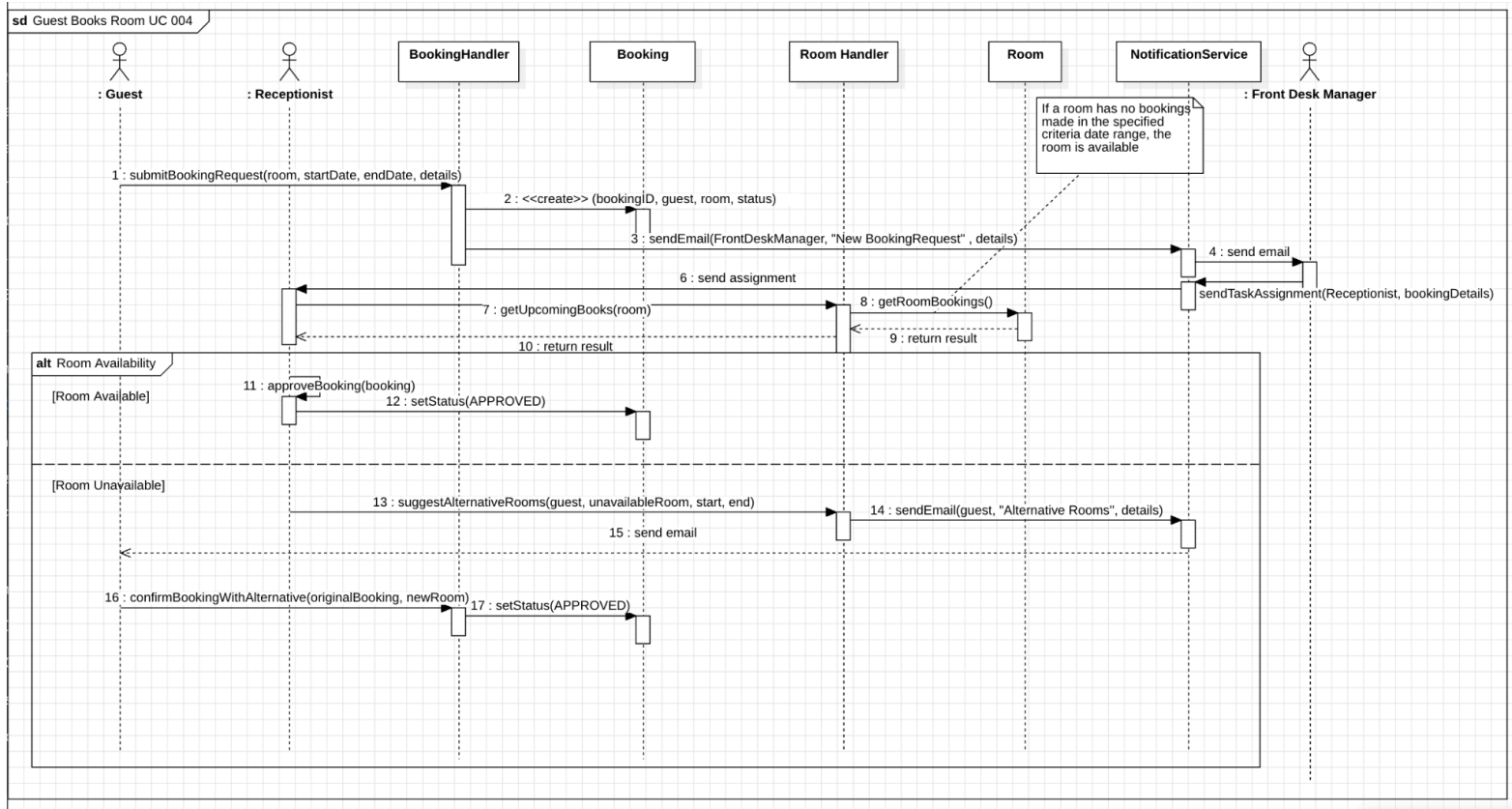


SEQUENCE DIAGRAMS

Search Room



Book Room



Cancel Booking

sd Guest Cancels Booking Before Check In

: Guest

BookingHandler

aBooking

PaymentStrategy

1 : cancelBooking(bookingID)

2 : checkCancellationWindow()

alt Cancellation Window

[Within Cancellation Window]

3 : return true

4 : calculateCancellationFee()

5 : return fee

alt fee Applies

[fee applies]

6 : pay(fee)

7 : return Payment Result

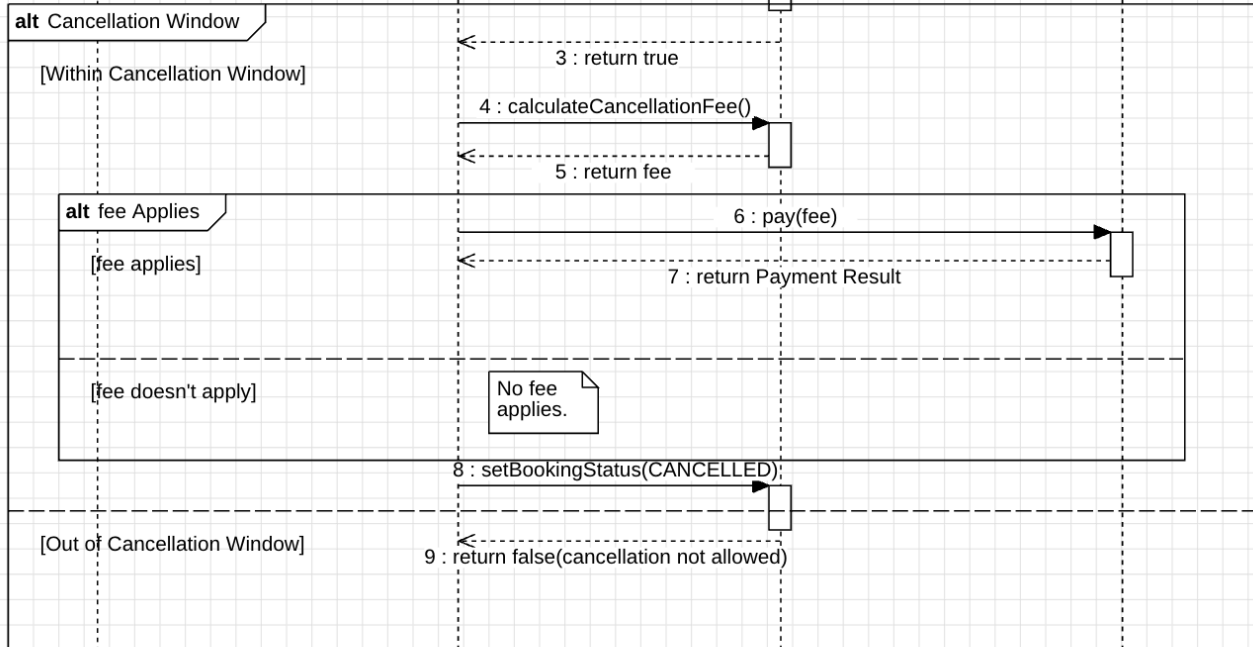
[fee doesn't apply]

No fee applies.

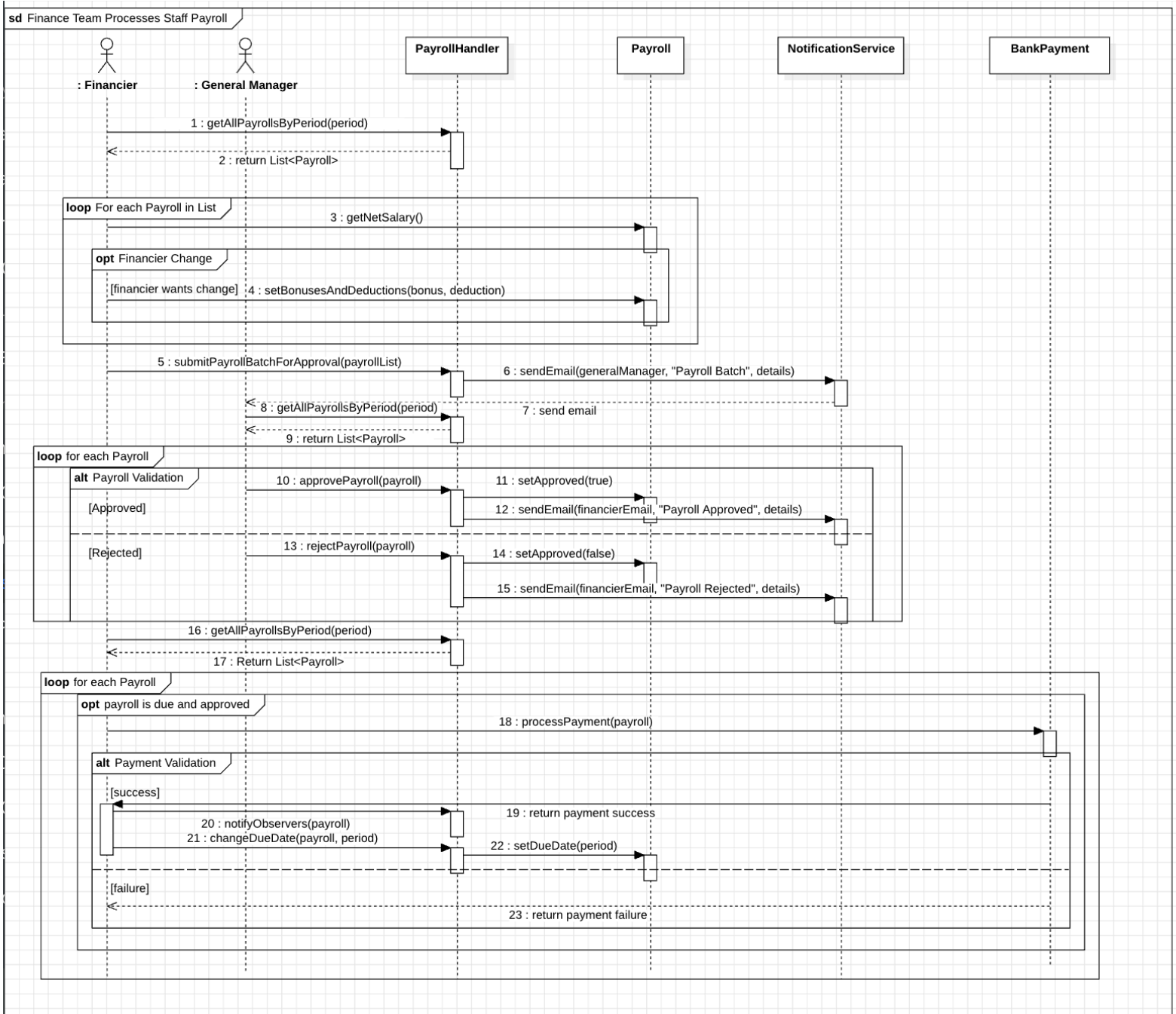
8 : setBookingStatus(CANCELLED);

[Out of Cancellation Window]

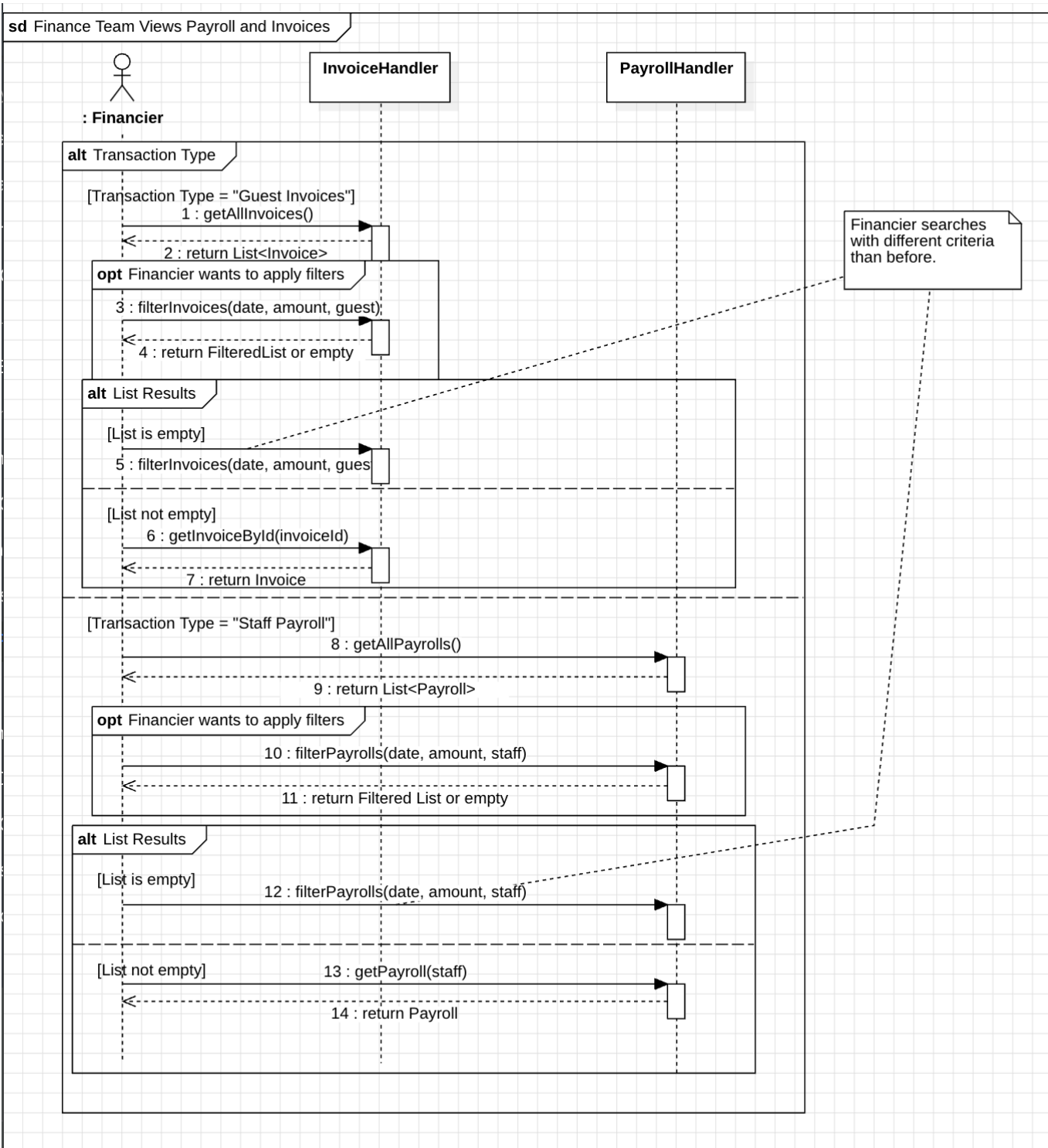
9 : return false(cancellation not allowed)



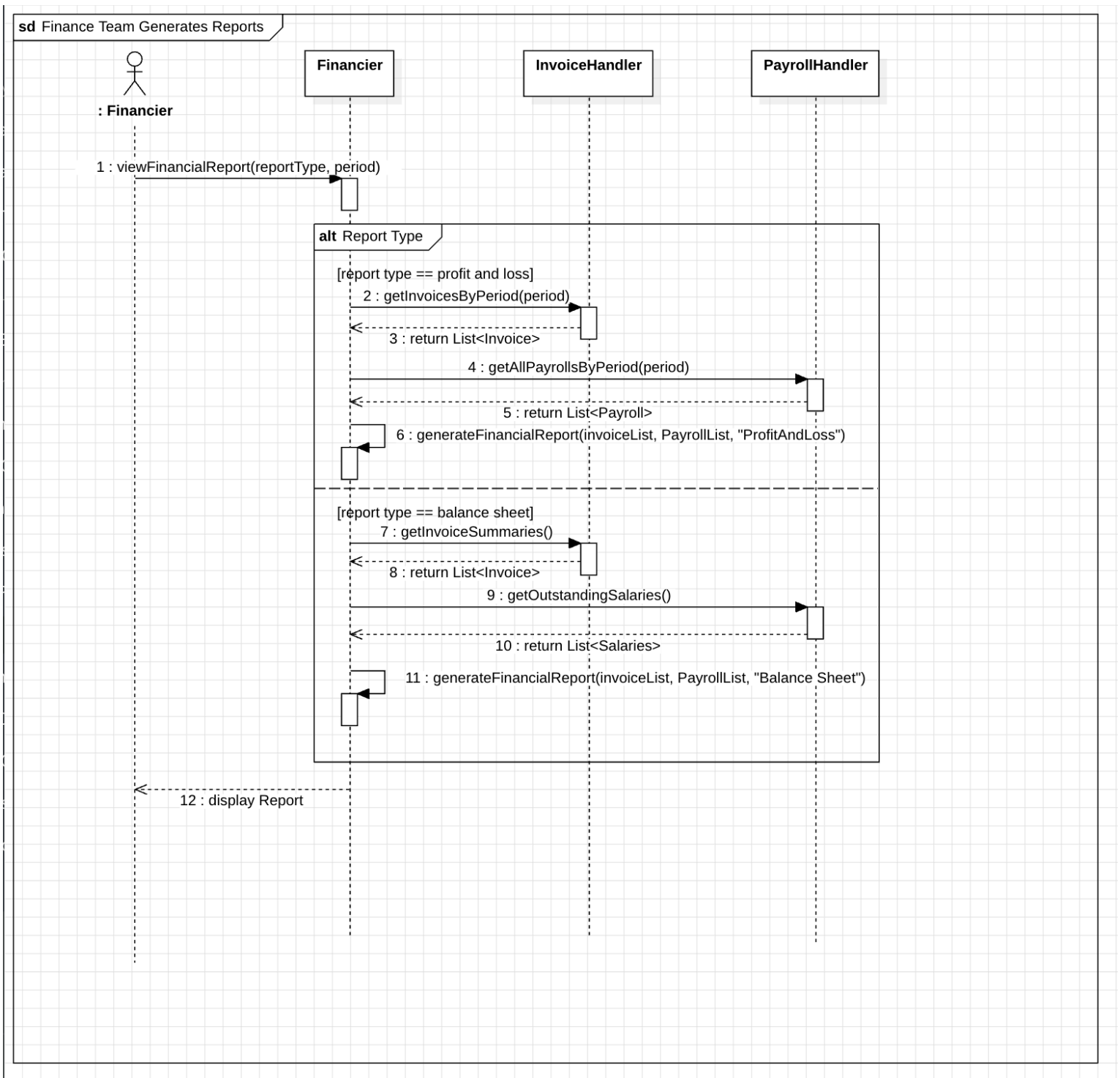
Process Staff Payroll



Track Transactions



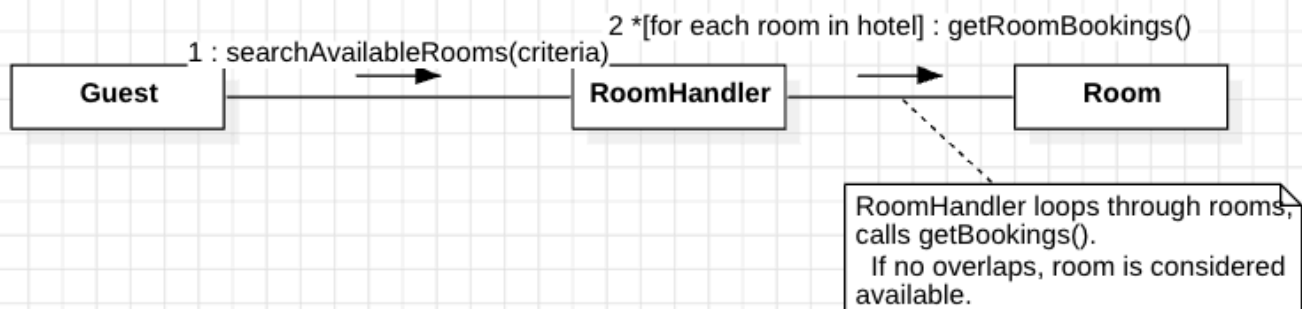
Generate Reports



COLLABORATION

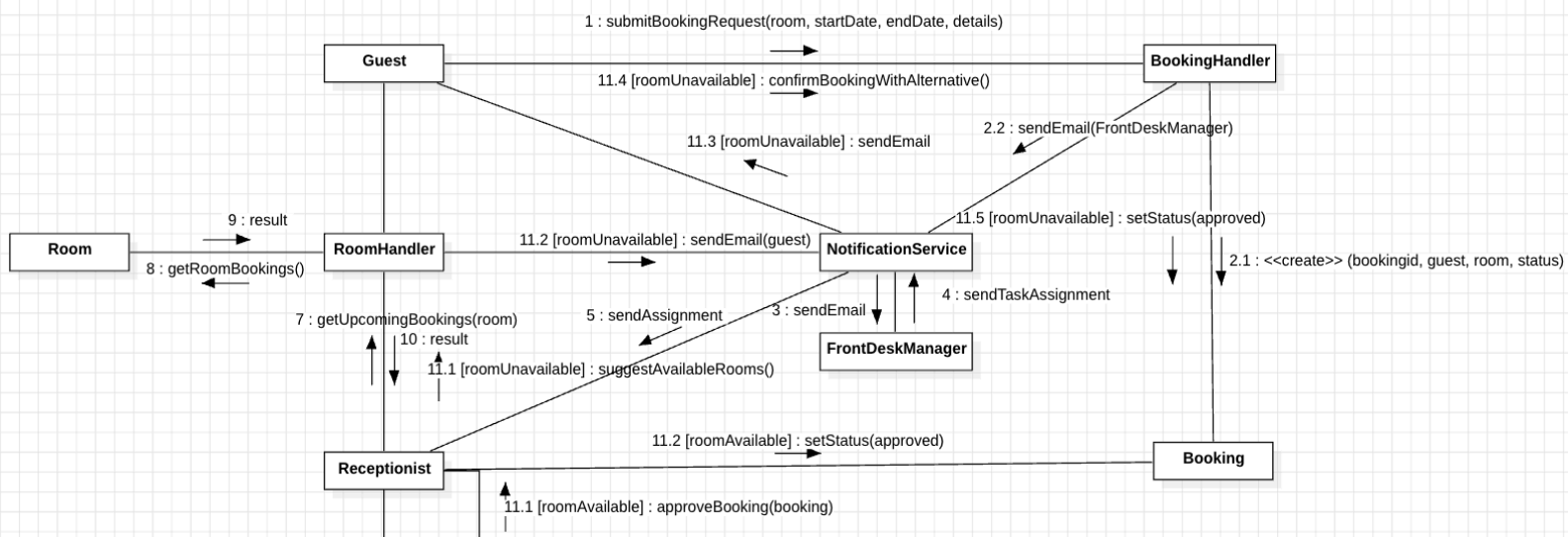
Search Room

sd Guest Searches Room CD 004

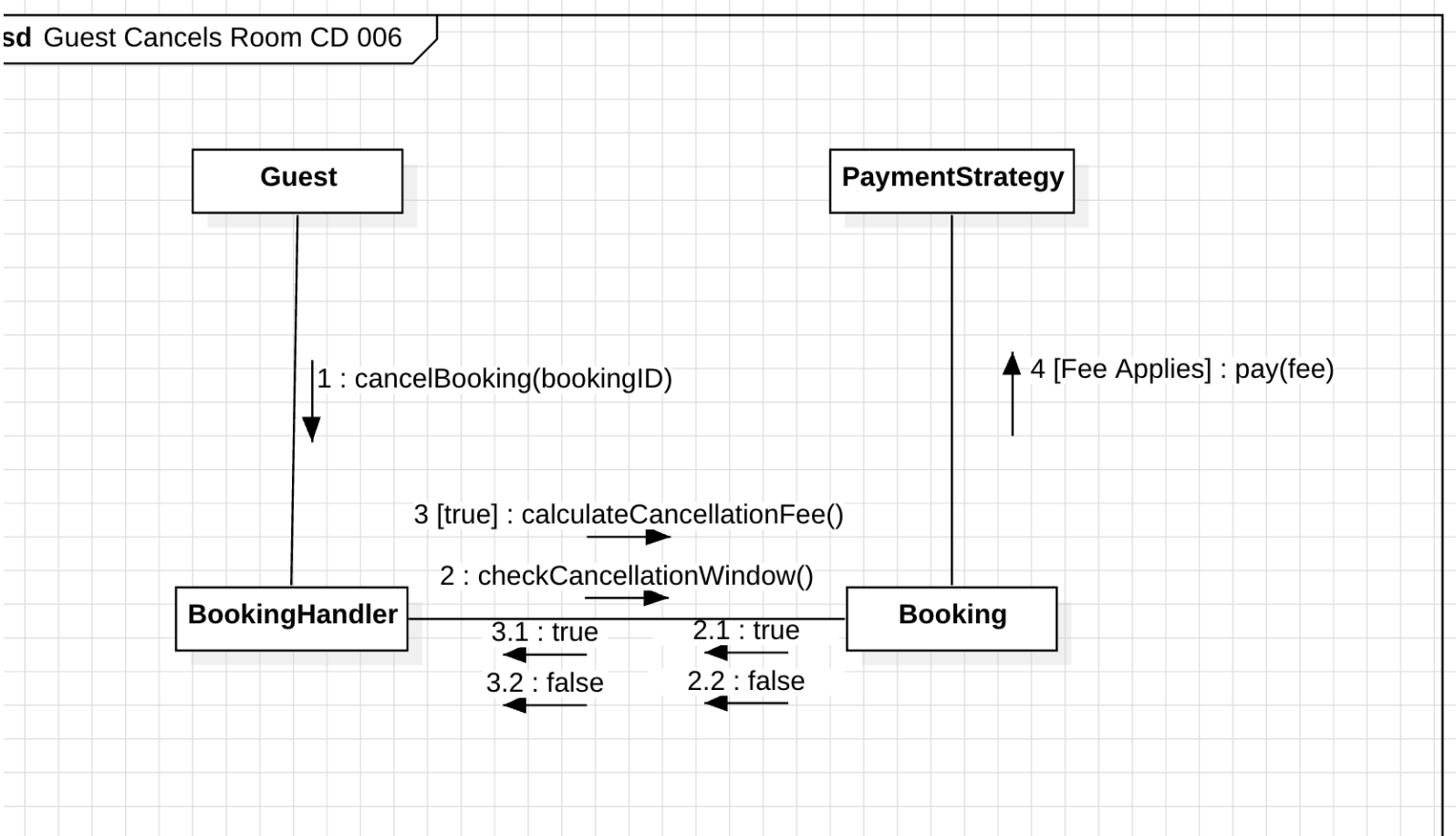


Book Room

sd Guest Books Room CD 005

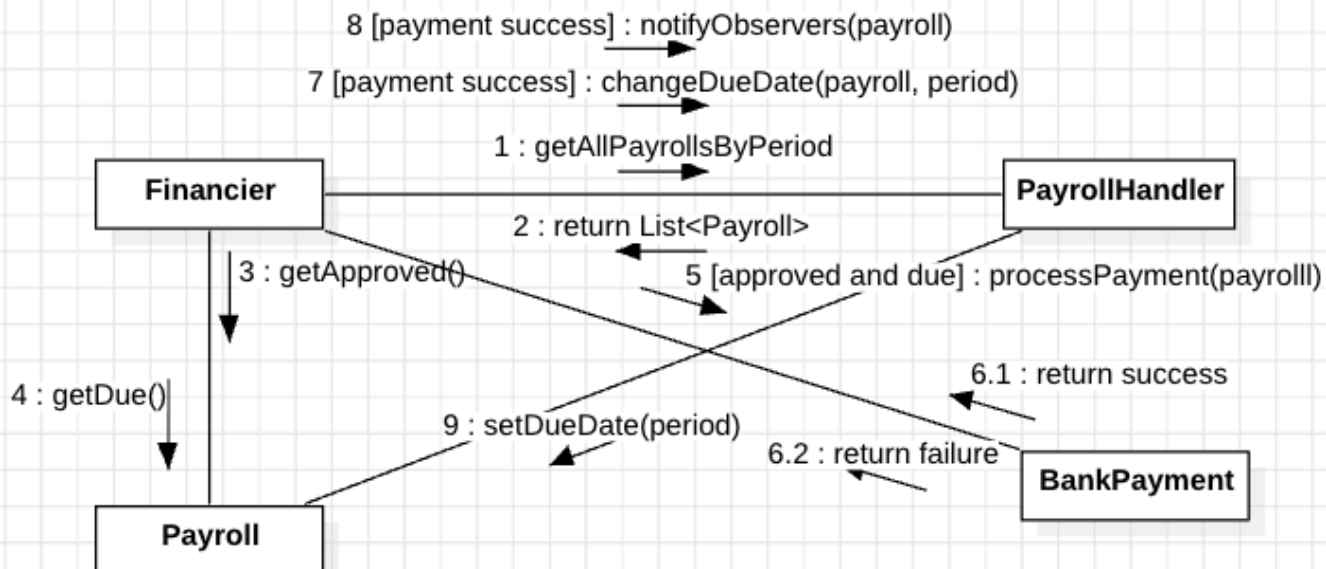
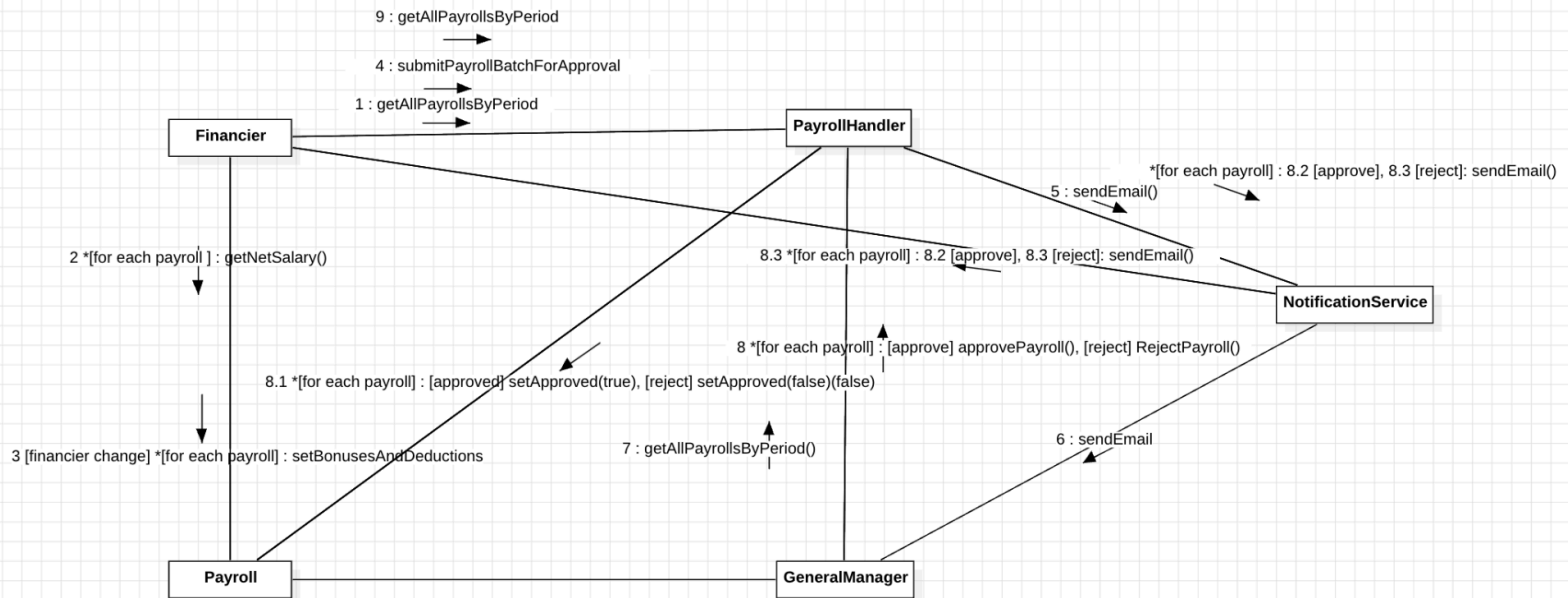


Cancel Booking

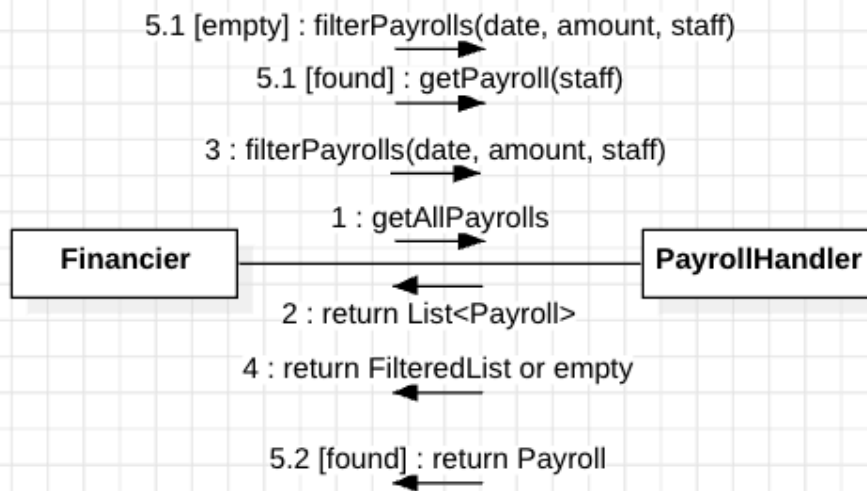
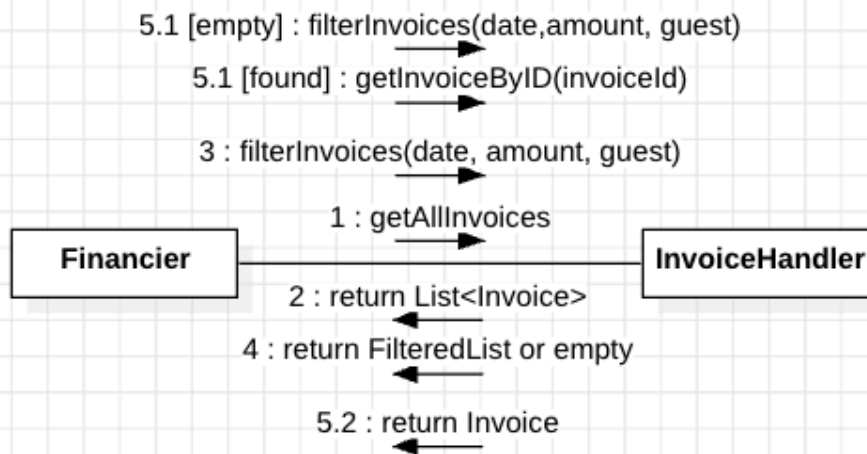


Process Staff Payrolls

Finance Team Processes Staff Payroll CD 007

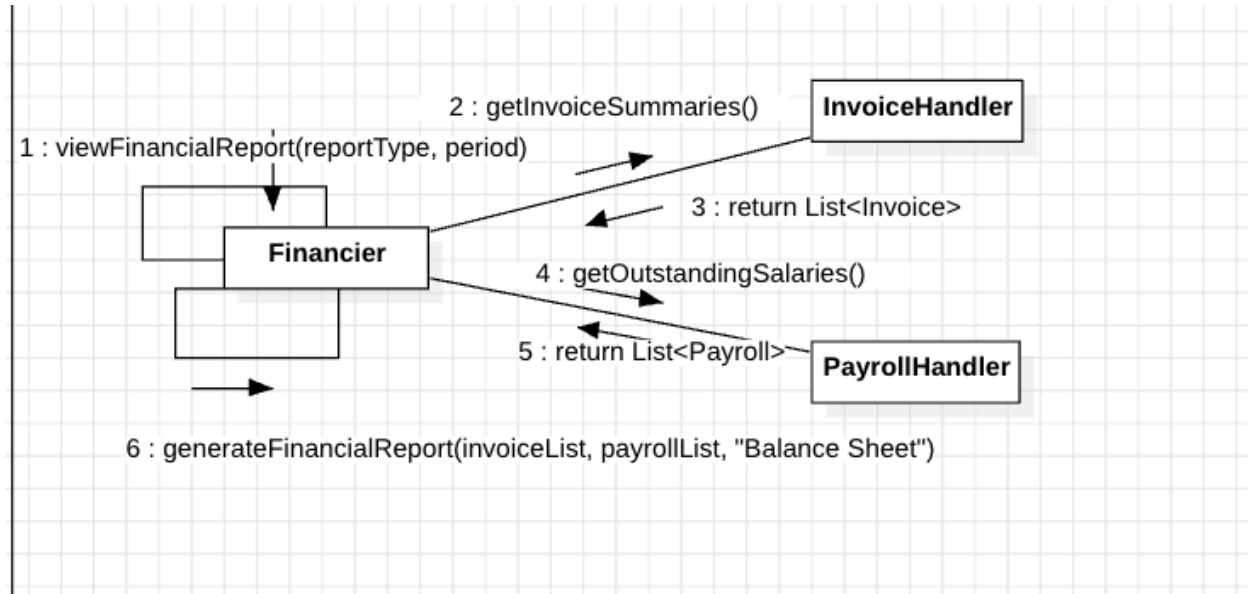


Track Transactions



Generate Reports

Profit and Loss



Balance Sheet

