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SD: Passenger Disembarking & Switching Lines (case: IN_STATION)

sd Disembark

t: Train   s :Station   :MultiRouter

disembark()

loop
p1 = disembarkIterator.next()

shouldLeave(p1)

shouldLeave(s, p1)

if
s.equals(p1.destination)

disembarking.add(p1)

else if
s.equals(p1.travelStations)

disembarking.add(p1)

return false

if
s.isActive()

loop
p2 = disembarkingIterator.next()

if
p2.TravelStationSize > 0
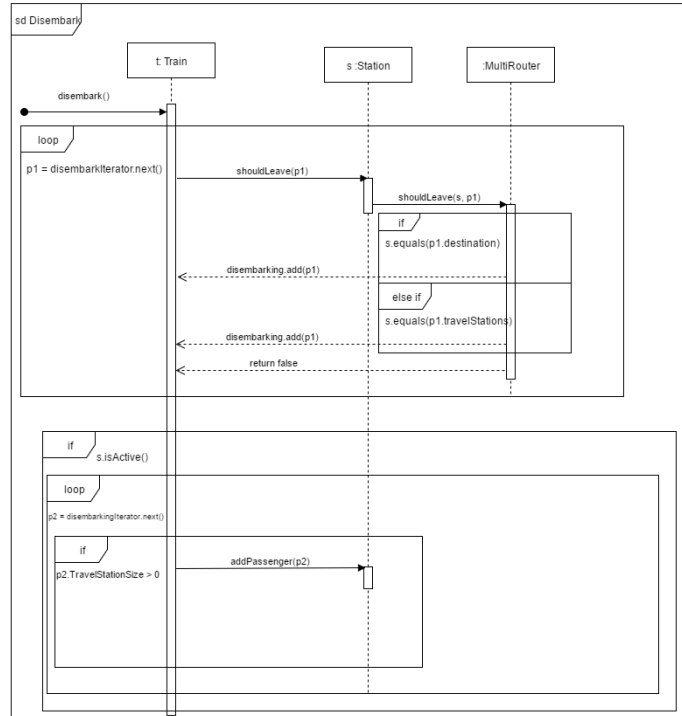
addPassenger(p2)

SD: Passenger Embarking (case: WAITING_ENTRY)

SD Embark

s :ActiveStation   t: Train   :PassengerGenerator

enter(t: Train)

add(t)

Loop
p1 = passenger in waiting list

if
[t.TrainLine.contains(p1.next travel station)]

embark(p1)

add(p1)

if
t.passenger.size < PASSENGERLIMIT

generatePassengers()

ps = Passnger[]

Loop
For each p2 in ps

try

embark(p2)

catch

waiting.add(p2)