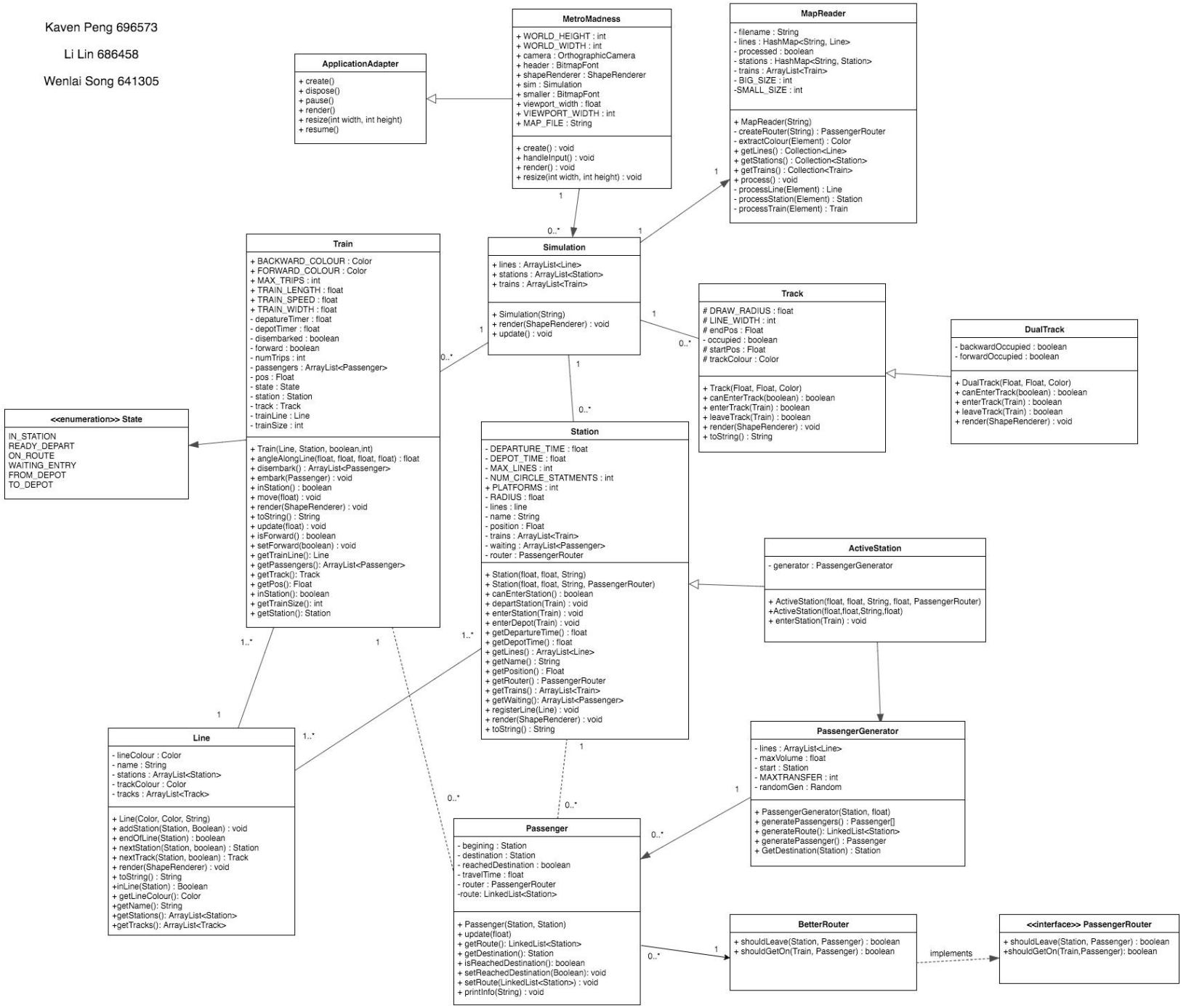
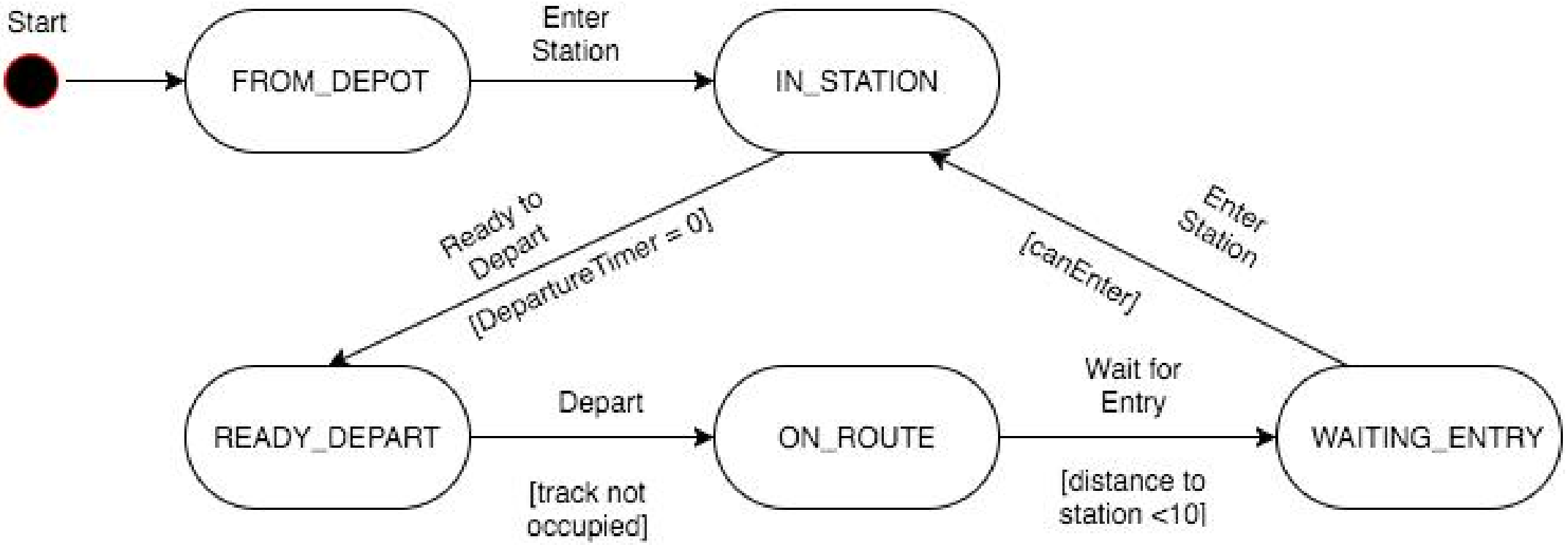
Redesigned Static Model

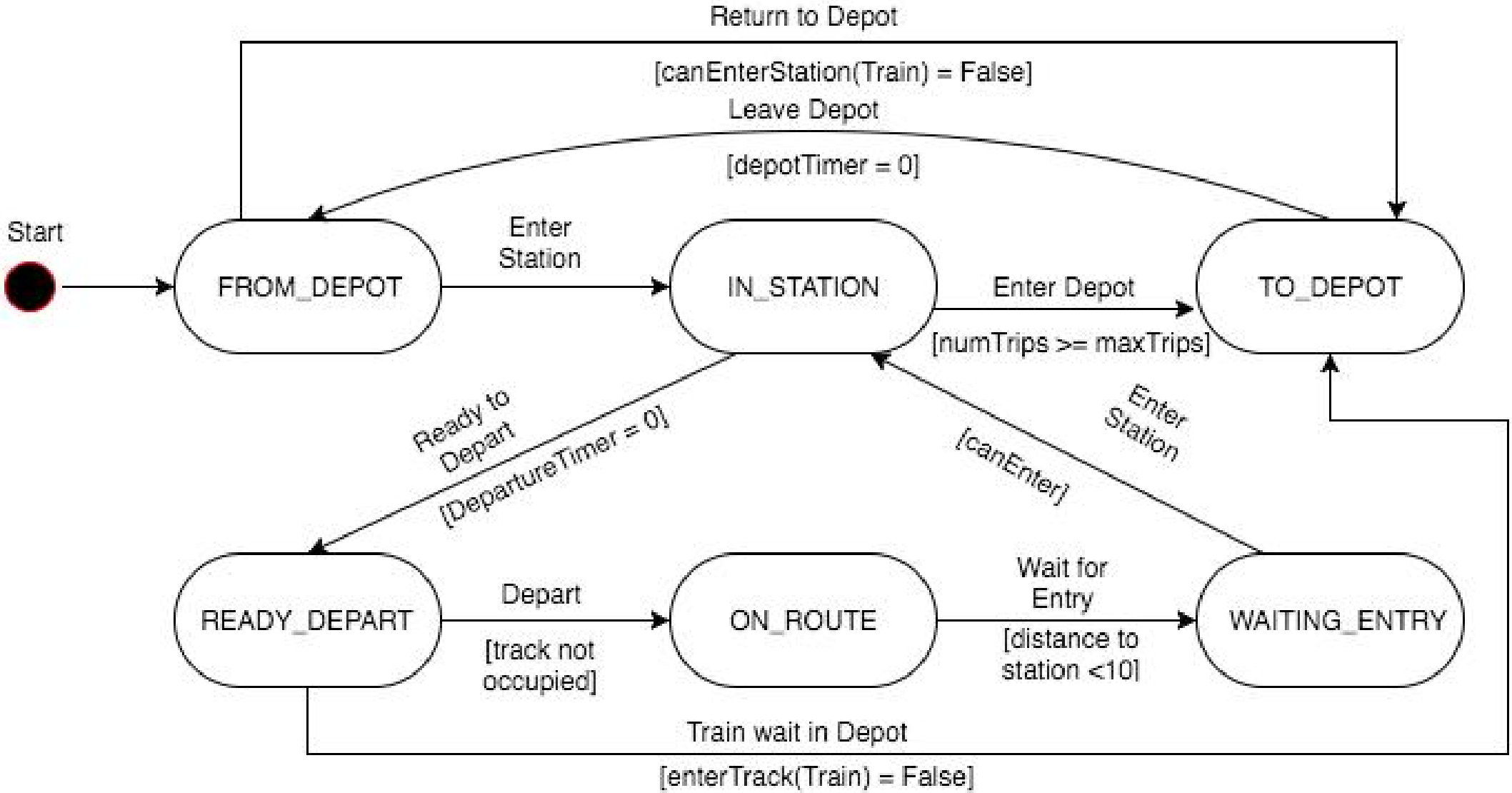
Kaven Peng 696573

Li Lin 686458

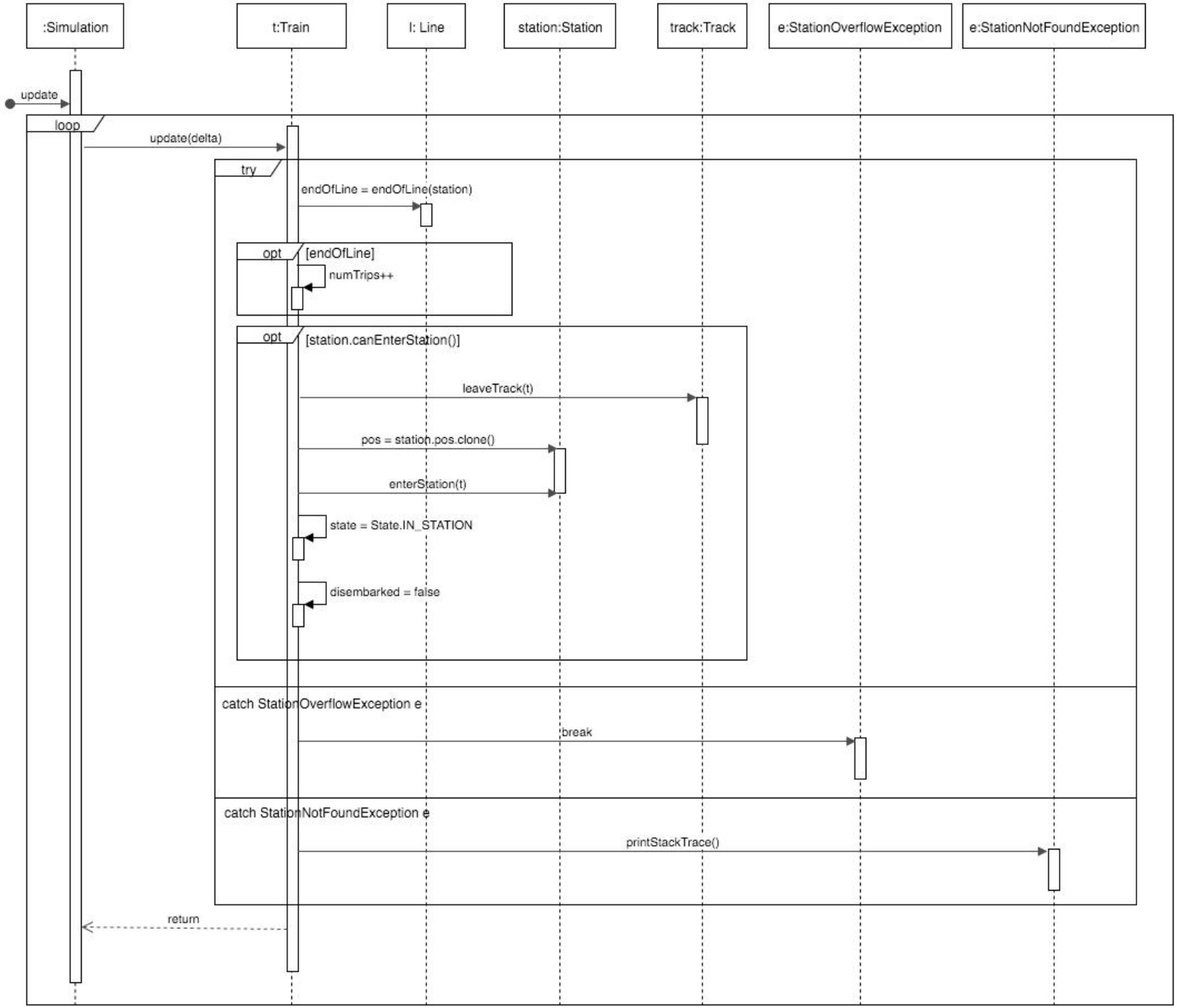
Wenlai Song 641305



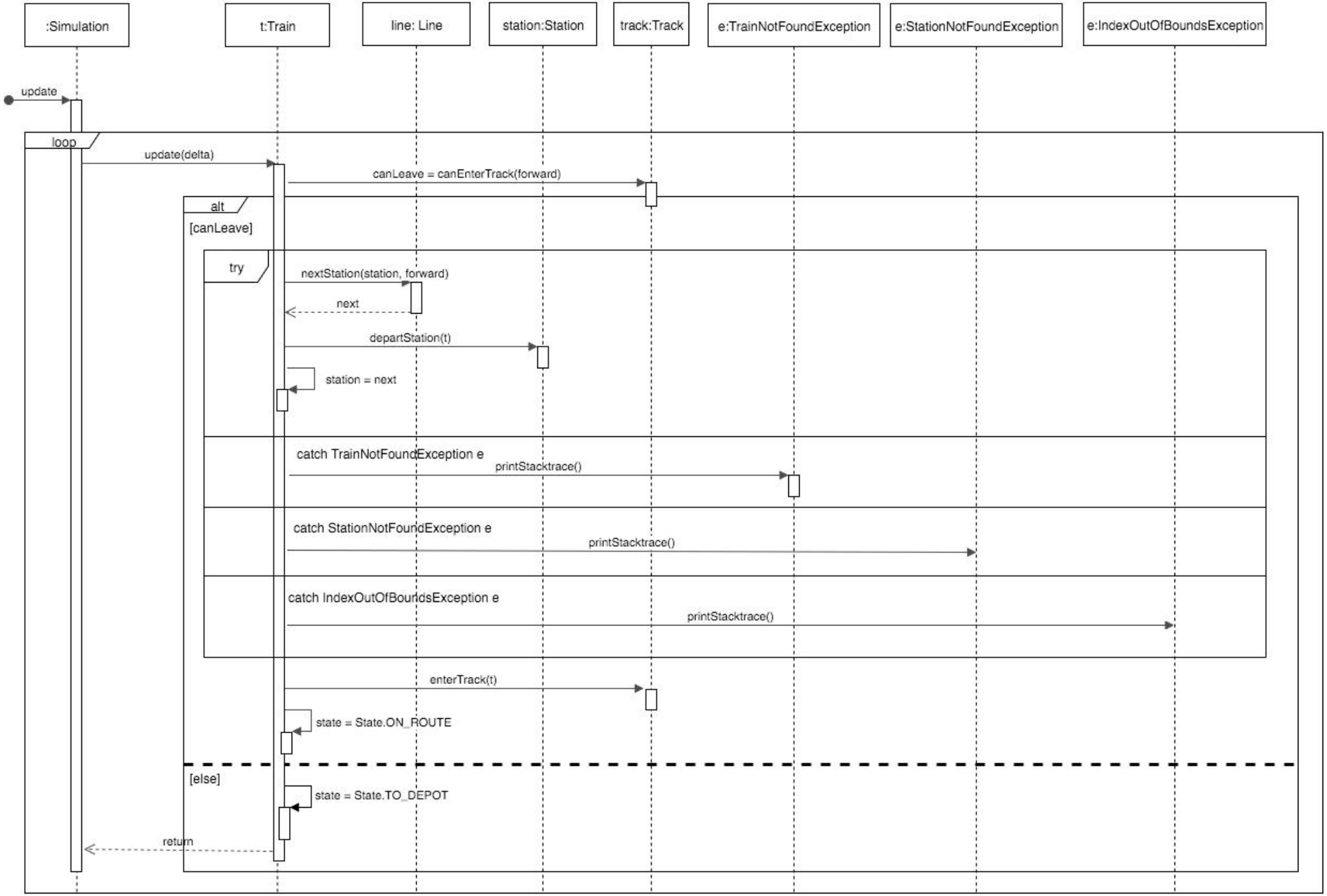
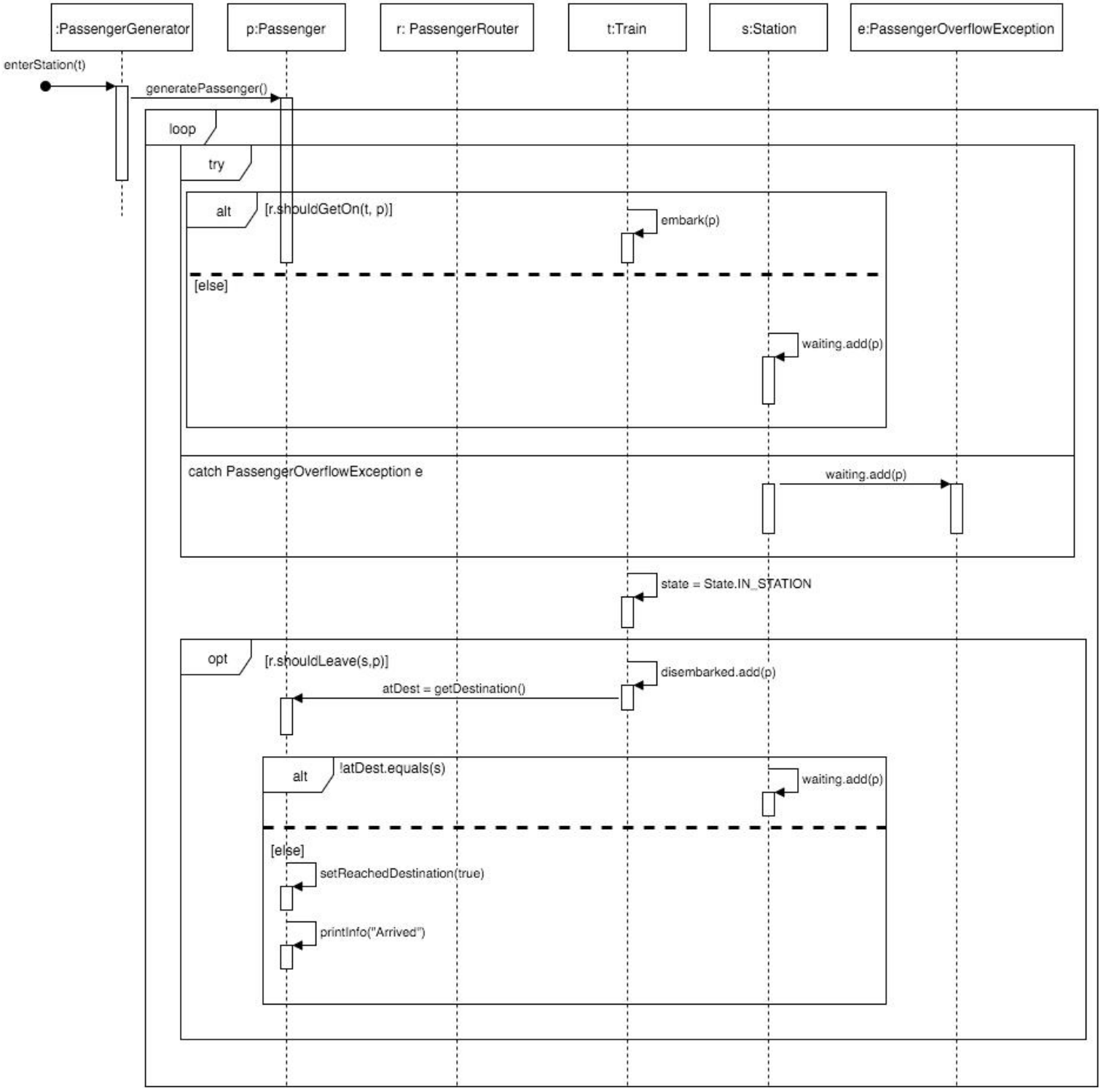

Start
FROM_DEPOT
Enter
Station
IN_STATION
Ready to
Depart
[DepartureTimer = 0]
[canEnter]
Enter
Station
READY_DEPART
Depart
[track not
occupied]
ON_ROUTE
Wait for
Entry
[distance to
station <10]
WAITING_ENTRY


Return to Depot
[canEnterStation(Train) = False]
Leave Depot
[depotTimer = 0]
Start
FROM_DEPOT
Enter
Station
IN_STATION
Enter Depot
[numTrips >= maxTrips]
TO_DEPOT
Ready to
Depart
[DepartureTimer = 0]
[canEnter]
Enter
Station
READY_DEPART
Depart
[track not
occupied]
ON_ROUTE
Wait for
Entry
[distance to
station <10]
WAITING_ENTRY
Train wait in Depot
[enterTrack(Train) = False]

SD: Train Entering (WAITING_ENTRY)



SD: Train Departing Station (READY_DEPART)



SD: Passenger with Line Change