Distributed System 2020 - P3G6

Assignment 1 - Interaction Diagram

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Aiport :

1- start and join (Passenger ,Porter , Busdriver and Time)

13 - AirPort instanciate Arrival Lounge , Baggage Collection Point , Arrival Terminal Exit , Departure Terminal Entrance , Departure Terminal Transfer Quay , Arrival Terminal Transfer Quay Baggage Reclaim Office and Temporary Storage Area.

Arrival Lounge:

2 - whatShouldIDo(passengerID , bags , jorneyEnds) - Passenger AT_THE_DISEMBARING_ZONE;

8 - takeARest() - Porter at WAITING_FOR_A_PLANE_TO_LAND and tryToCollect bag Porter AT_THE_PLANES_HOLD;

12- endOfDay() - TIME.

Arrival Terminal Transfer Quay:

5 - takeAbus() , enterTheBus() - Passenger AT_THE_ARRIVAL_TRANSFER_TERMINAL;

10 - hasDAyWorkEnded() , announcingBusBoarding(busSize) - BusDriver PARKING_AT_THE_ARRIVAL_TERMINAL.

Temporary Storage Area:

13 - carryItToAppropriateStore(bag) Porter AT_THE_LUGGAGE_BELT_CONVEYOR.

Baggage Collection Point :

3-goCollectABag(idx) Passenger AT_THE_LUGGAGE_COLLECTION_POINT;

9-noMoreBagsToCollect(), carryItToAppropriateStore(bag) Porter AT_THE_LUGGAGE_BELT_CONVEYOR .

Departure Terminal Transfer Quay:

6-waitRide() Passenger TERMINAL_TRANSFER, leaveTheBus() AT_THE_DEPARTURE_TRANSFER_TERMINAL;

11- parkTheBusAndLetPassOff(busSize) - Busdriver PARKING_AT_THE_DEPARTURE_TERMINAL;

12- endOfDay() - TIME.

Arrival Terminal Exit:

4 - nPassengersDepartureTEntrance(), syncPassenger() , prepareNextLeg(npassenger) if lastone awakePassengers() in both monitors- passenger.

Departure Terminal Entrance:

7- nPassengersDepartureAT() , syncPassenger() , gohome(npassenger) if lastone awakePassengers() in both monitors- passenger.

Baggage Reclaim Office :

14 -complain(bags) , puts passenger at Exiting the Arrival Teriminal after complaining .