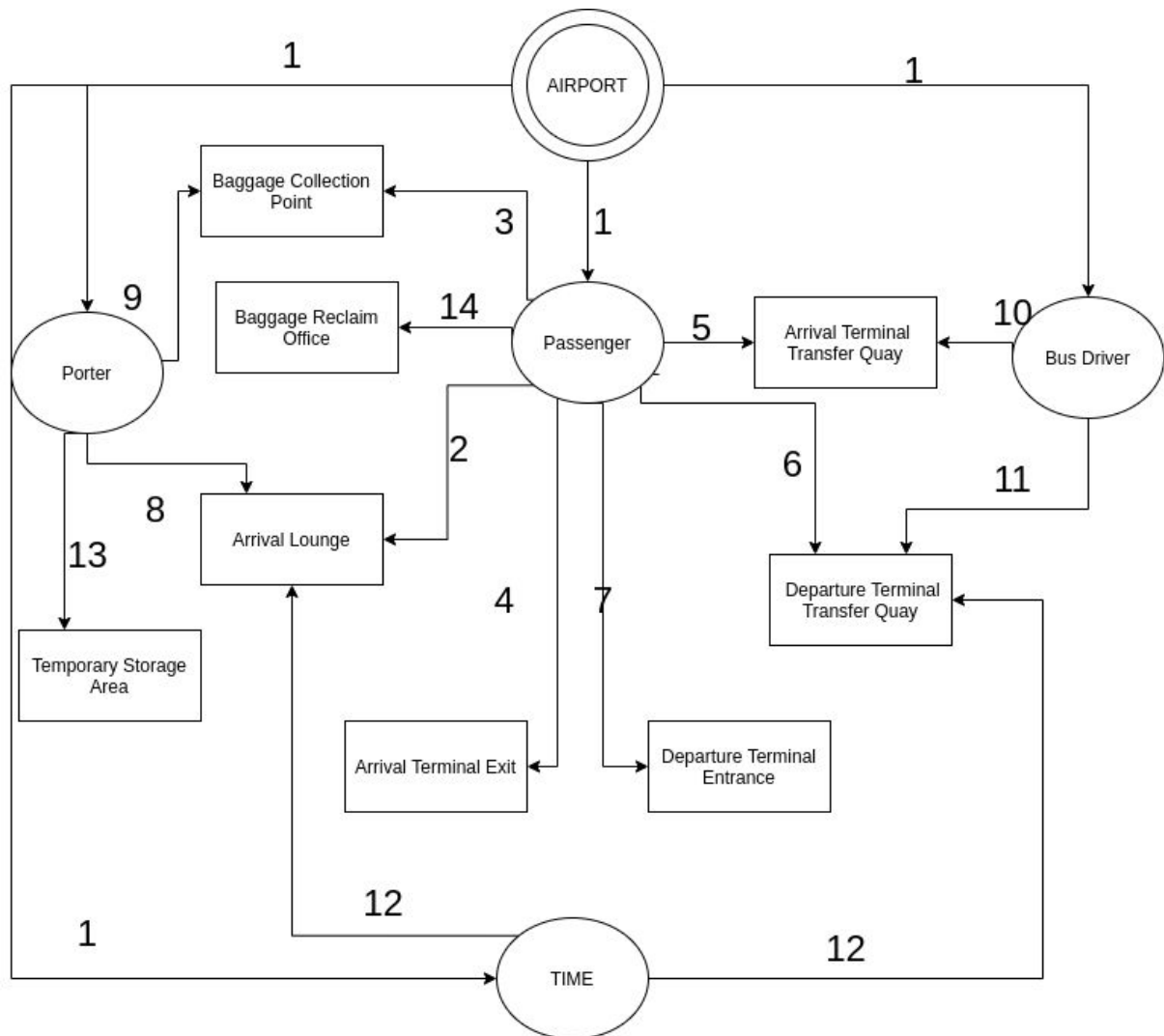


Distributed System 2020 - P3G6

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 , journeyEnds) - 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.