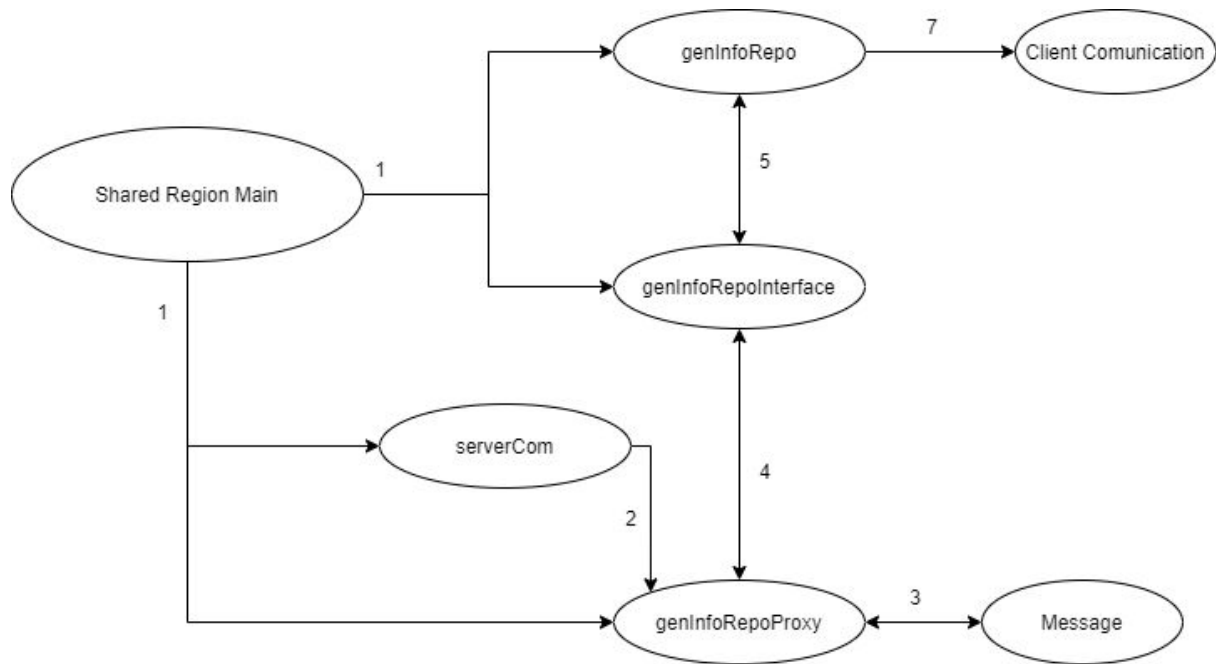


Distributed Systems 2020

Assignment 2 P3G6

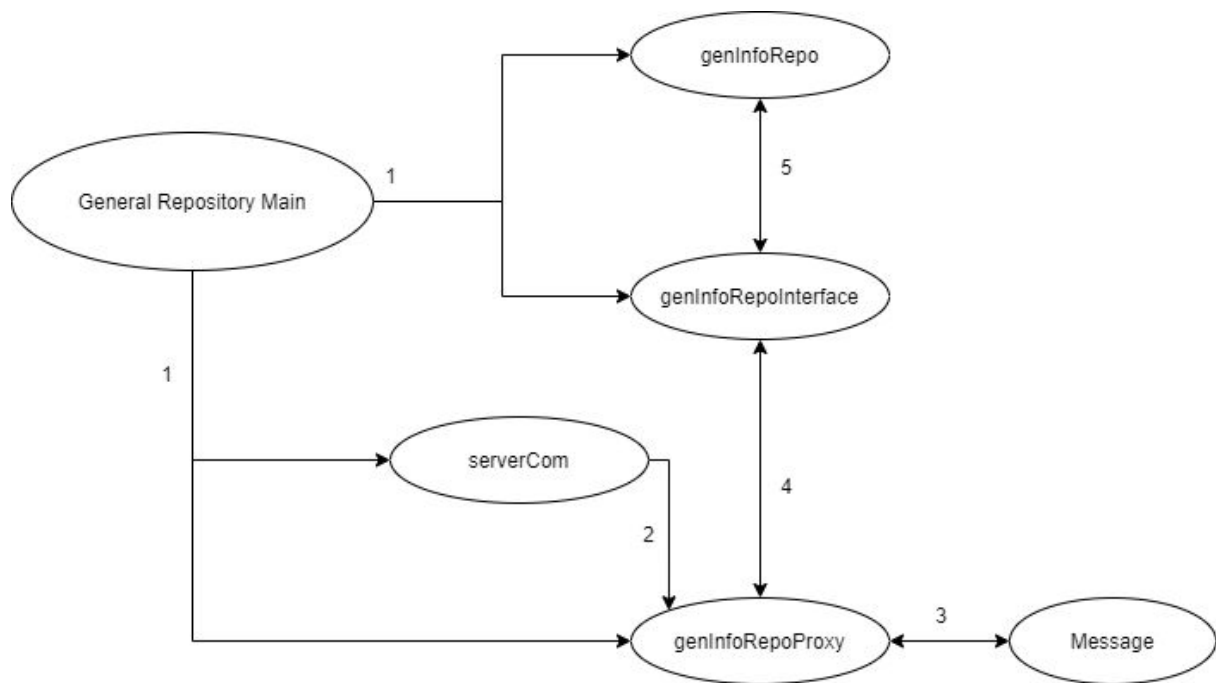
Interaction Diagram

Shared Regions



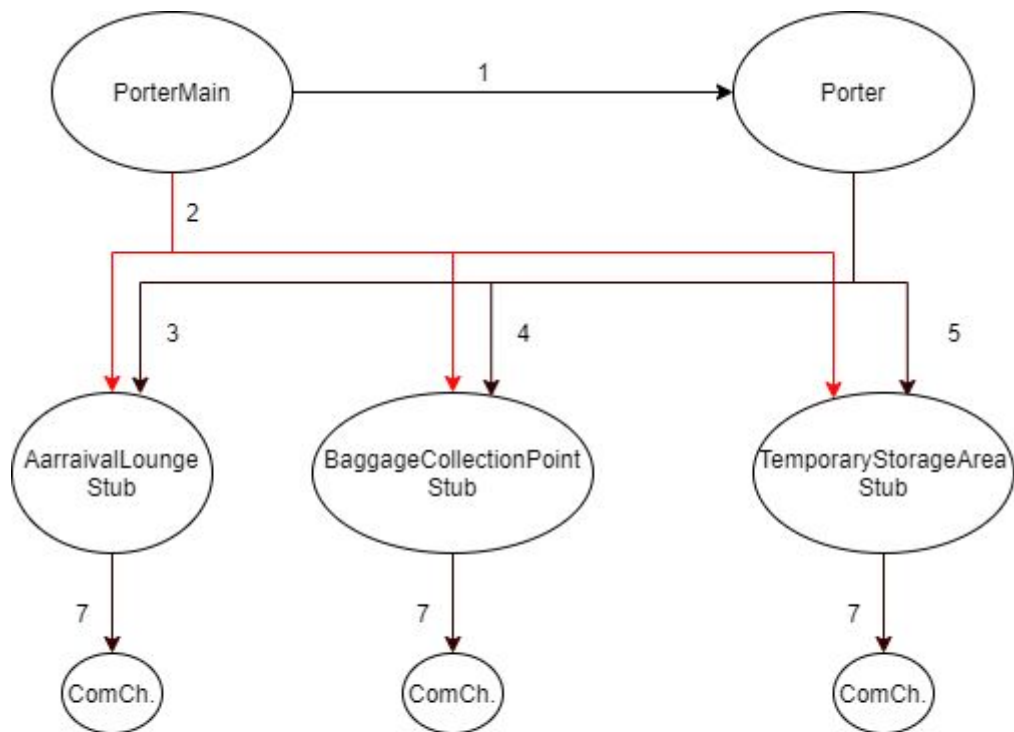
- 1- Instantiate;
- 2- Instantiate, start communication channel;
- 3- Listen to customer request/send message;
- 4- Connect and reply requests to shared region (Arrival Lounge,Arrival Terminal Exit ...);
- 5- Manage requests from shared regions;
- 6- Update General Info Repository;
- 7- Communication channel to General Info Repository;

General Repository (logger)



- 1- Instantiate;
- 2- Instantiate, start communication channel;
- 3- Listen to customer request/send message;
- 4- Connect incoming requests to be processed and send replies;
- 5- Manage requests;

Porter



1- Instantiate, start, join;

2- Instantiate;

porter

3- takeARest(), tryToCollectABag();

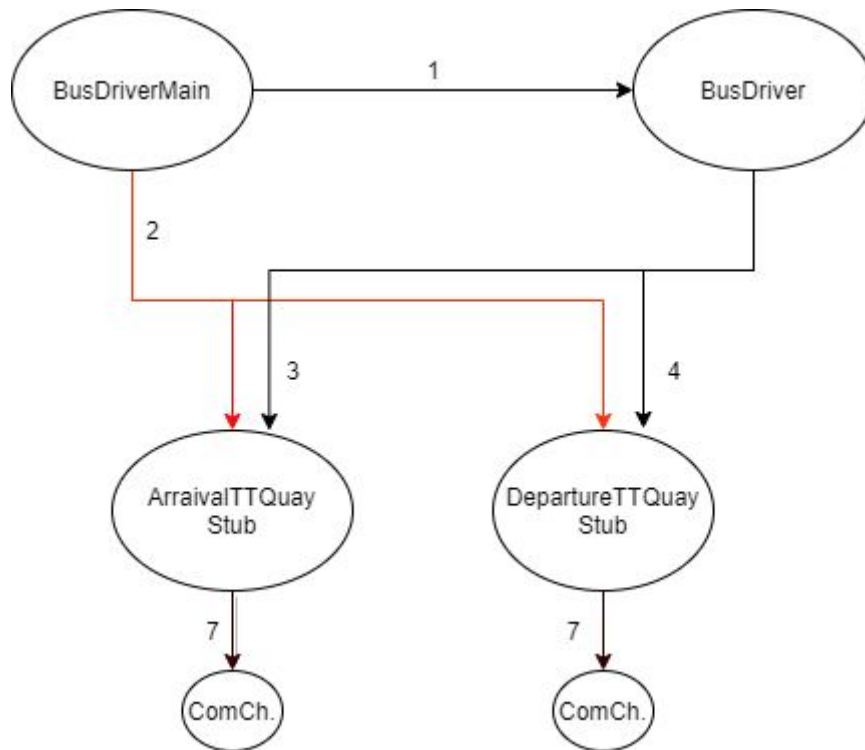
4- resetState() , noMoreBagsToCollect() , carryItToAppropriateStore(Baggage bag);

5- carryItToAppropriateStore(Baggage bag);

Client Com

7- Communication channel to servers;

Bus Driver



1- Instantiate, start, join;

2- Instantiate;

bus driver

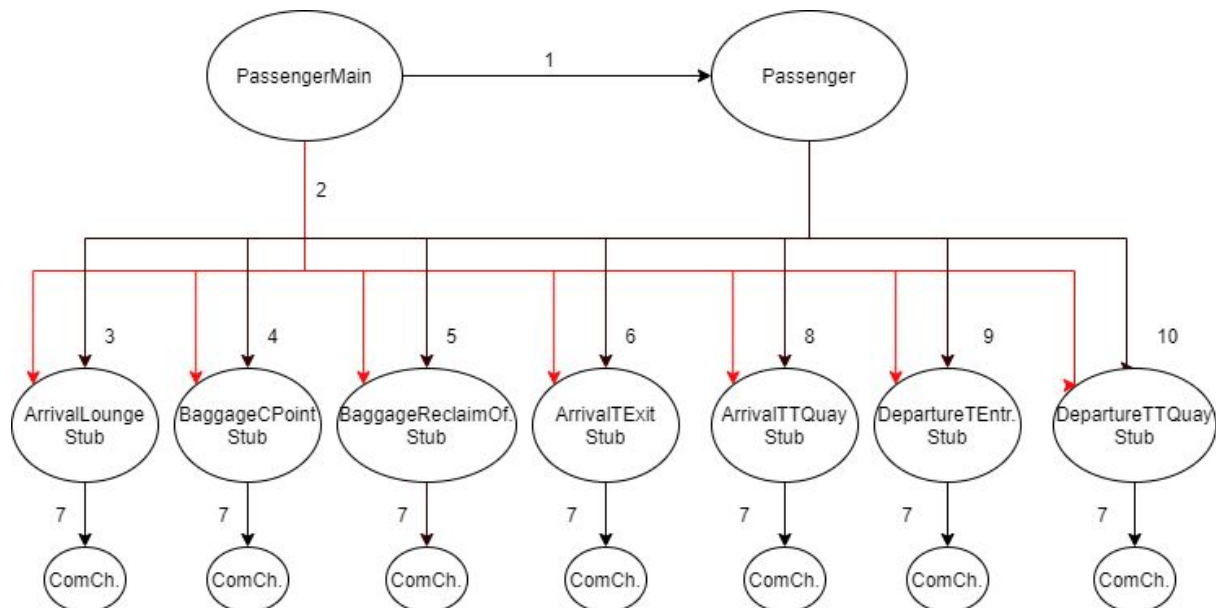
3- hasDaysWorkEnded(), annoucingBusBoarding();

4- parkTheBusAndLetPassOff(int passengersRiding);

Client Com

7- Communication channel to servers;

Passenger



1- Instantiate, start, join;

2- Instantiate;

passenger

3- whatShouldIDO(Boolean goHome, int getFlightBags(), int getPassengerID()) , endOfDay();

4- goCollectABag(bagsCollected, int getPassengerID());

5- complain(bagsCollected,int getPassengerID());

6- syncPassenger(), goHome(boolean goingHome,int getPassengerID());

8- takeABus(int passengerID), enterTheBus(int passengerID) ,endOfDay() ;

9- nPassengersDepartureTEntrance() , awakePassengers() , syncPassenger() , prepareNextLeg(npassDEP,getPassengerID());

10- waitRide(int getPassengerID()) , leaveTheBus(int getPassengerID());

Client Com

7- Communication channel to servers;