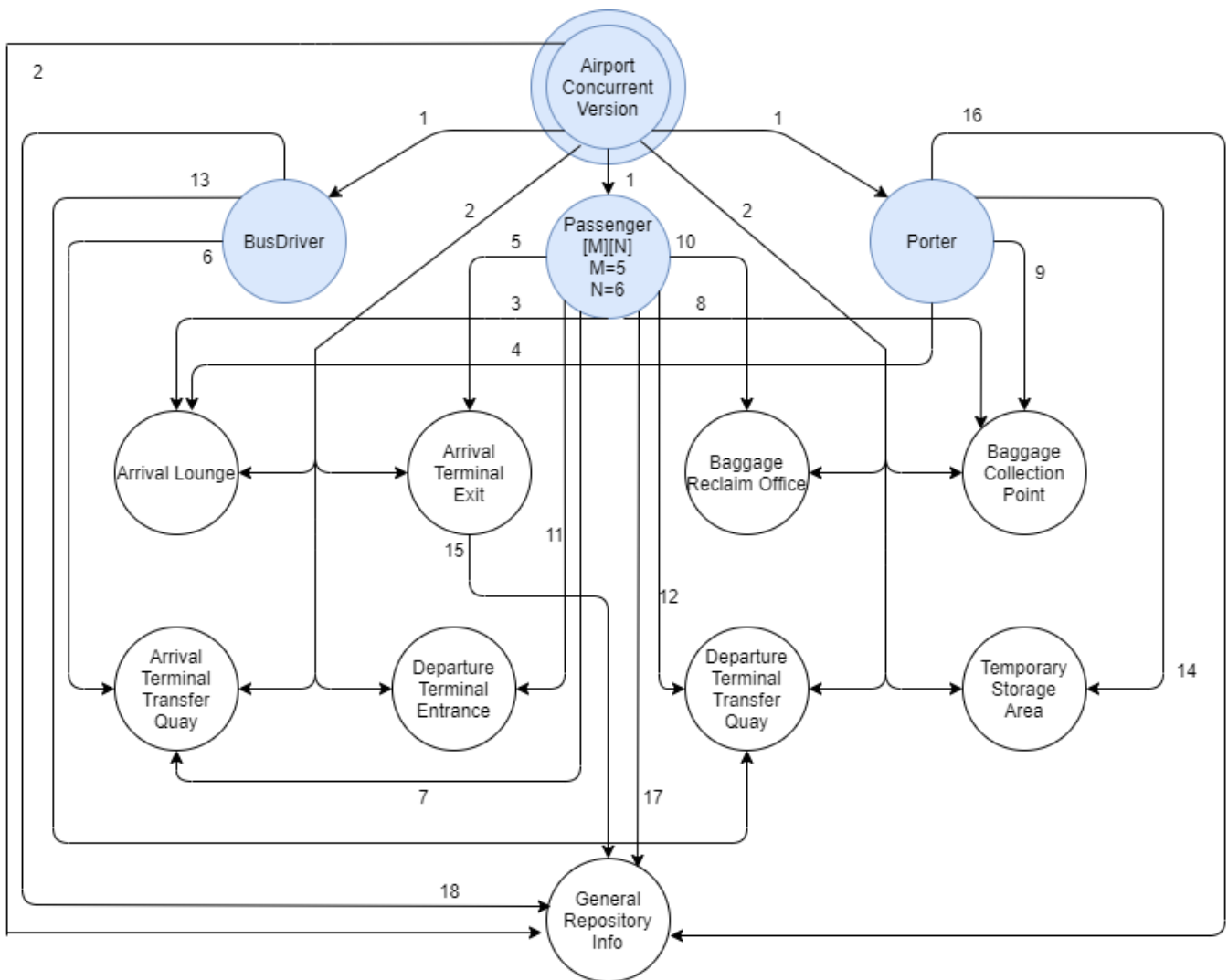# Sistemas Distribuidos 2019/2020

## Assignment 1 – P2G2

## Diagrama de Interação

**AirportConcurrentVersion (Main)**

1. Start, Join, Instantiate: Passenger, Porter, BusDriver

2. Instantiate: ArrivalLounge, ArrivalTerminalExit, ArrivalTerminalTransferQuay, BaggageCollectionPoint, BaggageReclaimOffice, TemporaryStoreRoom, DepartureTerminalEntrance, DepartureTerminalTransferQuay, GeneralRepositoryInfo

**Arrival Lounge:**

3. WhatShouldIDo (Passenger)

4. takeARest, tryToCollectABag, noMoreBagsToCollect (Porter)

**Arrival Terminal Exit**

5. goHome (Passenger)

**Arrival Terminal Transfer Quay:**

6. takeABus, hasWorkDaysEnded, parkTheBus, announcingBusBoarding (BusDriver)

7. enterTheBus (Passenger)

**Baggage Collection Point**

8. goCollectABag (Passenger)

9. carryItToTheAppropriateStore (Porter)

**Baggage Reclaim Office**

10. reportMissingBags (Passenger)

**DepartureTerminalEntrance**

11. prepareNextLeg (Passenger)

**DepartureTerminalTransferQuay**

12. leaveTheBus (Passenger)

13. parkTheBusAndLetPassOff (BusDriver)

**Temporary Storage Area**

14. carryItToTheAppropriatePlace (Porter)

**General Repository Info**

15. updateFlightNumber, initializeCargoHold, removeBagFromCargoHold (Arrival Lounge)

16. incBaggageCB , saveBagInSR, updatePorterStat(Porter)

17. pGetsABag, pJoinWaitingQueue, pLeftWaitingQueue, occupyBusSeat, freeBusSeat, newPass, updatePassSt, getPassSi, updatePassNR , passangerExit, missingBagReported, numberNRTotal(Passenger)

18. updateDriverStat (BusDriver)