**Report**

**Practical Assignment 1 (Hostel)**

Incorrect implementations

Monitor interfaces and methods

* **Log**
  + ControlCentreProxy
    - logIdle()
    - logRun()
    - logSuspended()
    - logResume()
    - logManual()
    - logStep()
    - logAuto()
    - logCheckIn()
    - logCheckOut()
    - logOpen()
    - logClose()
  + Customer
    - logReception()
    - logFloor()
    - logBathroom()
    - logMealroom()
    - logBreakfast()
    - logLeaving()
    - logOutside()
  + Porter
    - logQueue()
    - logDoorCheckIn()
    - logDoorCheckOut()
    - logIdle()
    - logOutside()
  + Receptionist
    - logCall()
  + Waiter
    - logServing()
* **Outside**
  + ControlCentreProxy
    - nextSimulation()
    - startCheckIn()
    - supendSimulation()
    - resumeSimulation()
    - manualSimulation()
    - autoSimulation()
  + Customer
    - walkAround()
    - waitTurn()
  + Porter
    - resetSimulation()
    - comeIn()
    - waitEntrance()
    - getRemainingCustomers()
    - getCheckInCustomers()
* **CheckIn**
  + ControlCentreProxy
    - setTimeCheckIn()
    - supendSimulation()
    - resumeSimulation()
    - manualSimulation()
    - autoSimulation()
  + Customer
    - inQueue()
    - checkIn()
    - getCustomerBedOffset()
  + Porter
    - waitCheckIn()
    - getPorterTotalCustomers()
    - subtractPorterTotalCustomers()
  + Receptionist
    - waitArrival()
    - attendCustomer()
  + Waiter
    - waitCheckInCustomers()
    - getWaiterTotalCustomers()
    - subtractWaiterTotalCustomers()
* **BedRoom**
  + ControlCentreProxy
    - startCheckOut()
    - setTimeBathroom()
    - supendSimulation()
    - resumeSimulation()
    - manualSimulation()
    - autoSimulation()
  + Customer
    - goToBed()
    - waitBathroom()
    - useBathroom()
  + Porter
    - resetCheckOut()
* **MealRoom**
  + ControlCentreProxy
    - setTimeBreakfast()
    - supendSimulation()
    - resumeSimulation()
    - manualSimulation()
    - autoSimulation()
  + Customer
    - waitBreakfast()
    - takeBreakfast()
  + Waiter
    - waitMealRoomCustomers ()
    - serveBreakfast()
* **Leaving**
  + ControlCentreProxy
    - supendSimulation()
    - resumeSimulation()
    - manualSimulation()
    - autoSimulation()
  + Customer
    - waitLeave()
  + Porter
    - waitArrival()
    - openDoor()

Students contribution

1. João Bernardo Coelho Leite (nº 115041): 45%
2. Luís Miguel Gomes Batista (nº 115279): 55% \*

\* extra GUI and logs implementation