Semaphore	Function	Initial Value
availableRooms	This would allow only 3 guests to be able to enter the hotel, allowing the guest to be assigned a room, and complete their check-in. I assign the value of 3, due to the fact of 3 rooms being available at one time. [0-2](1 guest per room)	3

Semaphore	Function	Initial Value
checkInSem	This Semaphore exists to ensure that the reservationist can only attend to 1 guest at a time. Once the guest finds that there is a room available, they begin the check-in process, following the ME rules, only one guest may check in at a time, while the others wait.	1

Semaphore	Function	Initial Value
checkOutSem	This Semaphore exists to ensure that the reservationist can only attend to 1 guest at a time to check out of their room. . Once the guest begins the checkout process, their room becomes available again, they begin the process of allowing more guests to be assigned to the room. Even with many people completing their activity, only one guest is able to check-out at a time.	1