FUNCTIONAL REQUIREMENT

You are tasked by F3 HOTEL to develop a Java application that will be able to monitor status of their 6 hotel rooms with 3 of those rooms are allotted for guests to relax and sleep while the other 3 rooms are function rooms are allotted for events.

Guests can either be members or non-members. For non-member guests staying for relaxation and sleep, 3 hotel rooms are allotted that can be rented P2/min. For member guests, they can avail of the room for P1.50/min. They may get extra sheets charged (both for members and non-members) at P1.50/sheet.

Those clients who wish to use the hotel's function rooms, there are 3 rooms that can be utilized charged at P P5/min for non-members. Member guests can use the function room charged P3.00/min.

Using a GUI interface, show 6 rooms that customers can rent for either relaxation or for a certain event. The application must :

CHECKIN

- Allow to customer to select which room to use. The application must be able to get information of the customer such as his/her name and member type. Once the customer already gave his/her information, the hotel staff must be able to press the Checkin button to confirm customer's use of one of the rooms. The confirmation will record time of check in for that room. There will also a Clear button if the customer wished not to proceed in renting.

MOVE TO ANOTHER ROOM

- Allow a customer to move from one room to the other. Pressing a Move/Transfer button allow all information recorded on the previous room transferred to the new room. Ensure to check whether the new room is available before a transfer is done.

CHECK-OUT

- Allow the customer to end the use of a hotel room. Pressing Check Out records the logout time on that terminal. This will proceed to room payment.

PAYMENT

- Must present customer information along with checkin and checkout time in the room being checked out. It must also show number of minutes the customer stayed in the room. Refer to the introduction given this case to determine how rooms will be charged. Once total has been shown, the hotel staff must ask for the cash payment and compute the customer's change if there is any.