**Hotel Management System**

* It is 24 hour functional hotel with the facility of restaurants and other customer’s services.
* Hotel has 4 branches in one or more cities.
* Each hotel branch consists of 20 rooms.
* Each room has a number of beds and bed types, a room type and a unique room number. They could be with or without a view.
* Each hotel has many employees, belonging to different departments of the hotel.
* Each department can have many employees.
* Cleaners, chefs and security guards are hired as separate department employees.
* Each employee is hired in accordance with shift timings.
* Each department has a manager who is also an employee.
* Each hotel has a head chef.
* All hotels have a combined restaurant
* There is a menu for food orders.
* The restaurant provides the facility of food orders, either dine in service or delivery.
* Customer can have one or more food orders.
* Each customer has a reservation for a room which must be made in advance.
* Customers can book more than one room.
* Customers can have multiple reservations, as in reservation for different dates.
* Customers have to specify the arrival and departure date and number of rooms in their reservation.
* Each hotel provides some chargeable services and customers can use one or more services like swimming pool, lunch and dinner, massage sessions, extra food orders, laundry and mini refrigerator.
* There would be a billing at the end of each customer’s stay consisting of room charges and other service charges.
* Each Hotel has an inventory.
* Each hotel’s finance department will manage the budget and expenses of it.
* Each hotel’s feedback department will take have respective feedback for departments and a star rating

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