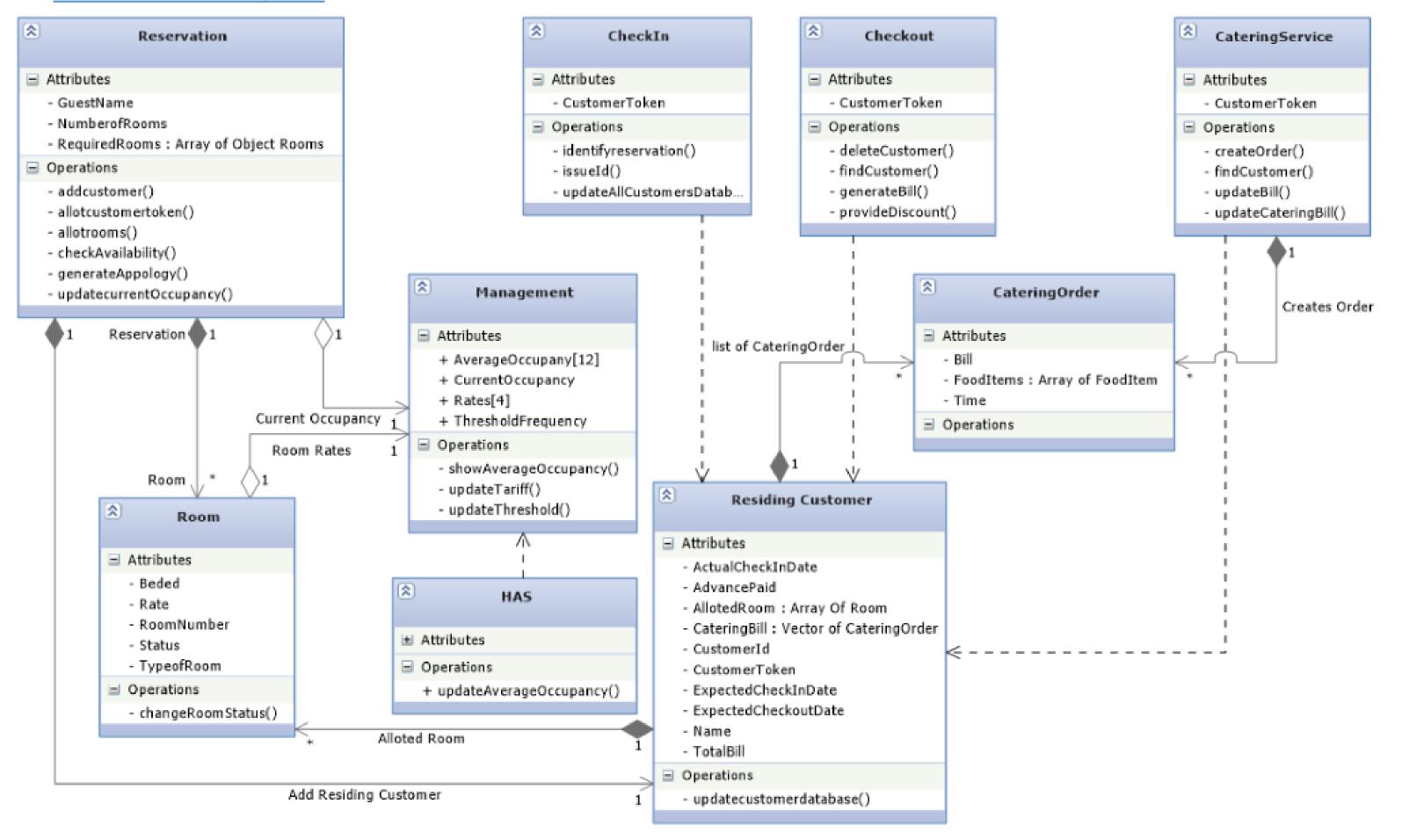
## USE CASE DIAGRAM

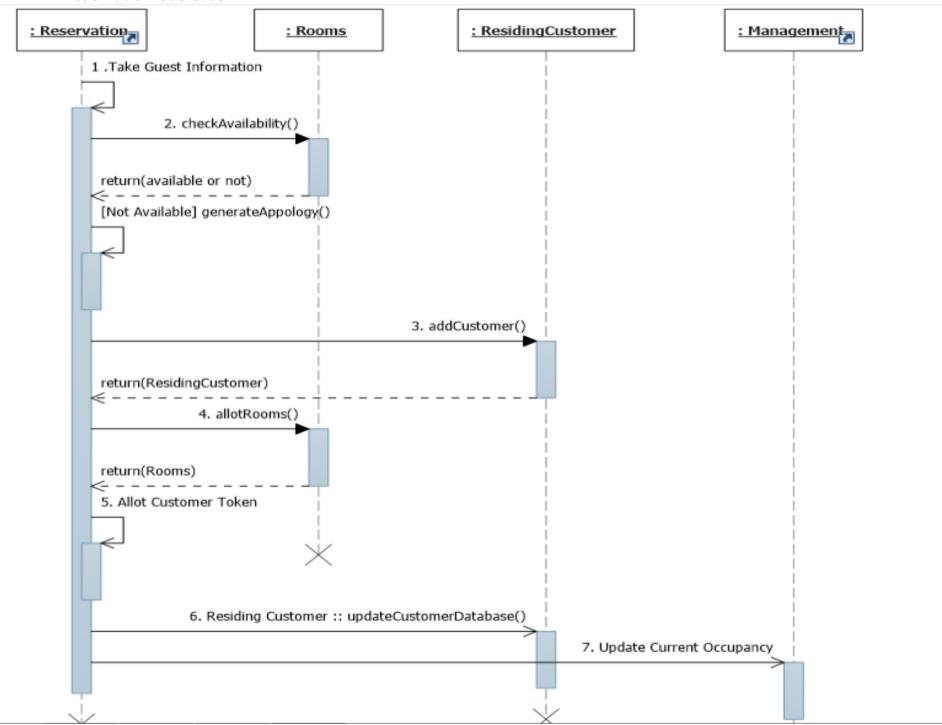


## **CLASS DLAGRAM**

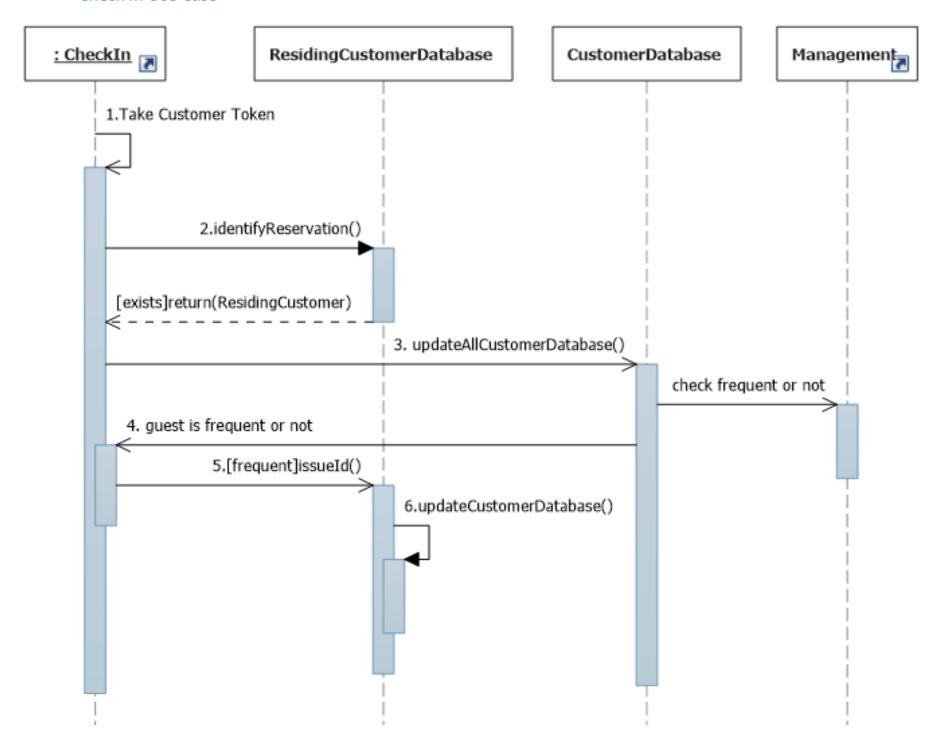


## SEQUENCE DIAGRAM:

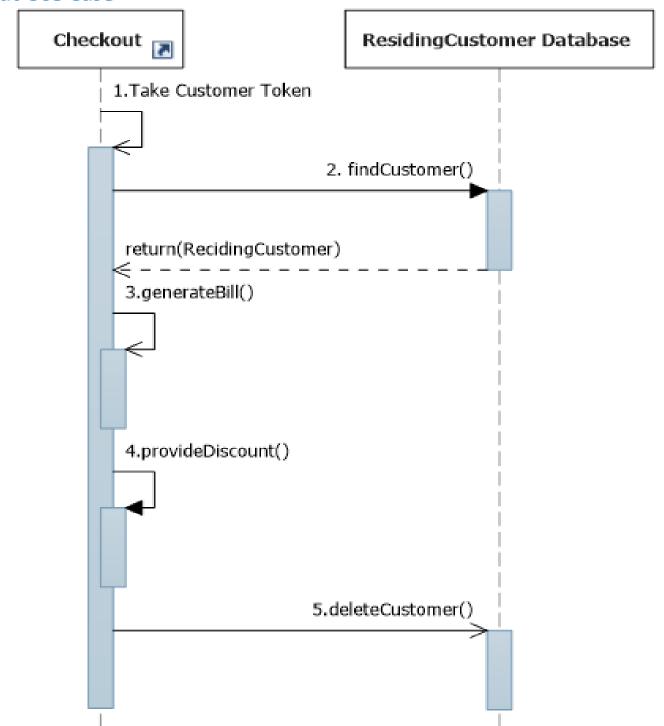
**Reservation Use Case** 



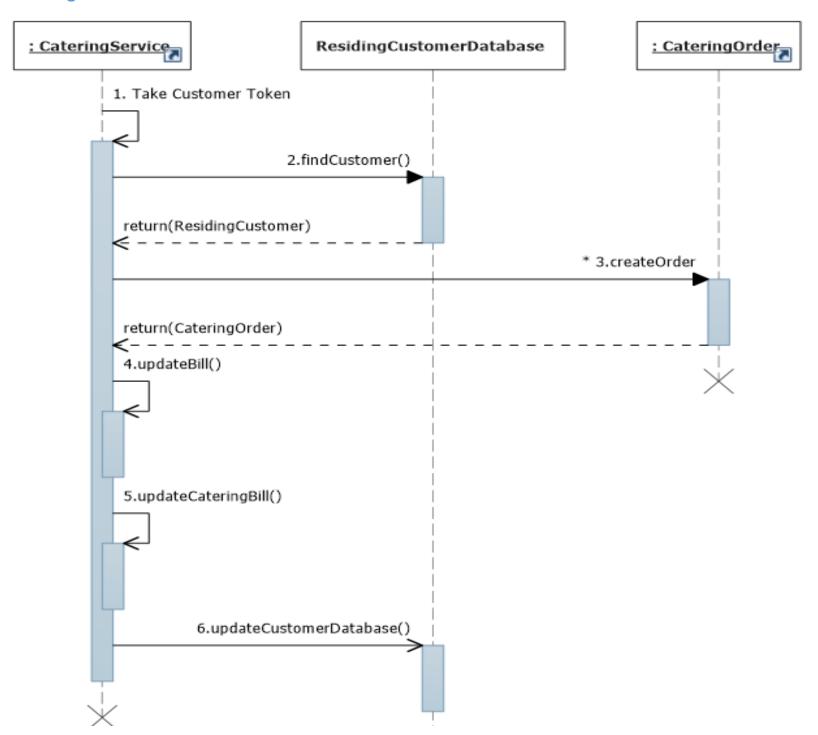
#### **Check In Use Case**



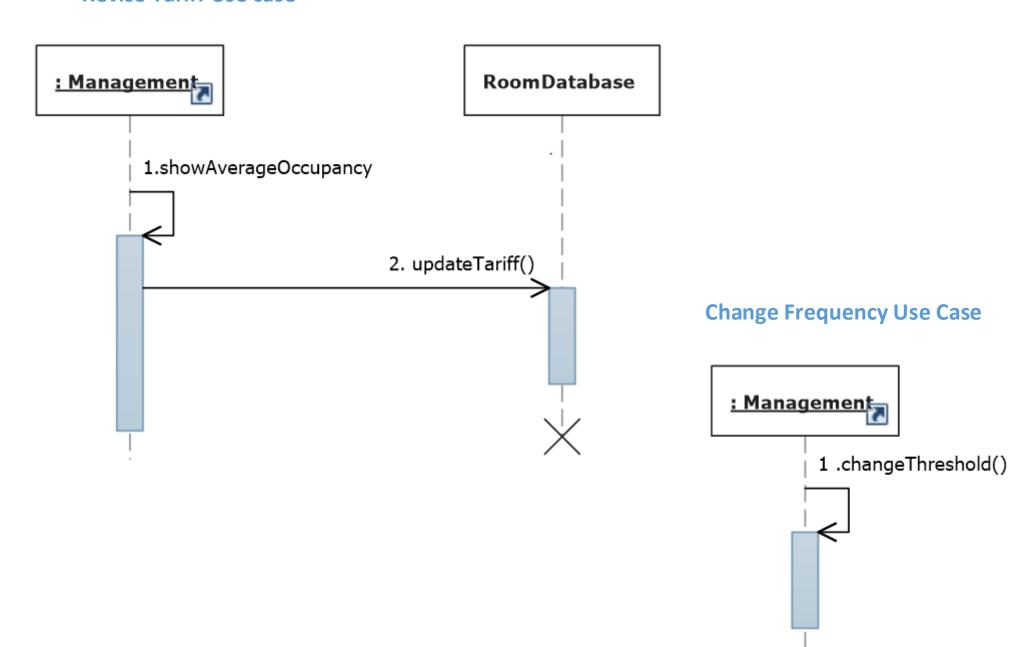
## **CheckOut Use Case**



### **Catering Order Use Case**



### **Revise Tariff Use case**



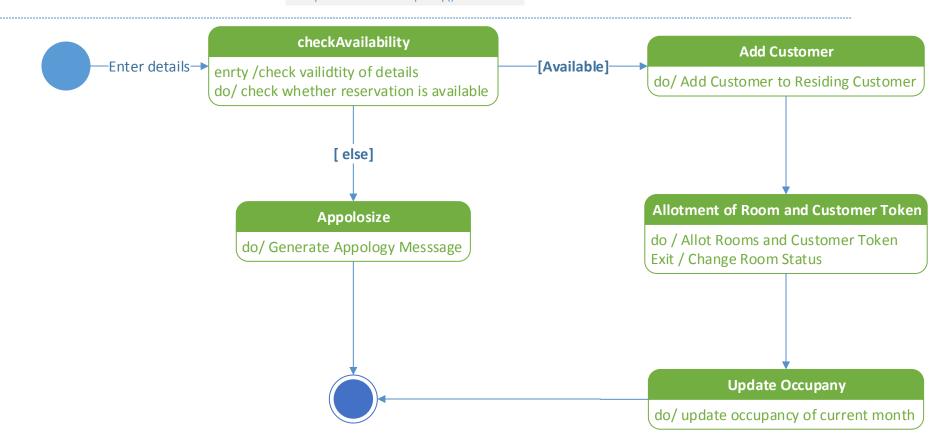
## STATE DLAGRAM

#### Reservation

- GuestName : String
- NumberofRooms : Int
- RequiredRooms[NumberofRooms]:

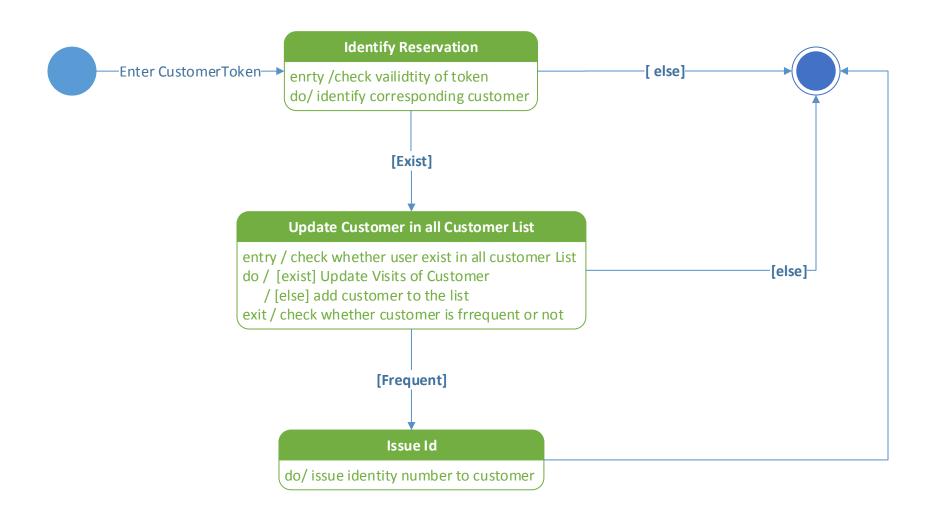
#### ArrayofObjectRoom

- checkAvailability()
- generateApology()
- addCustomer()
- allotRoom()
- allotCustomerToken()
- updateCurrentOccupancy()



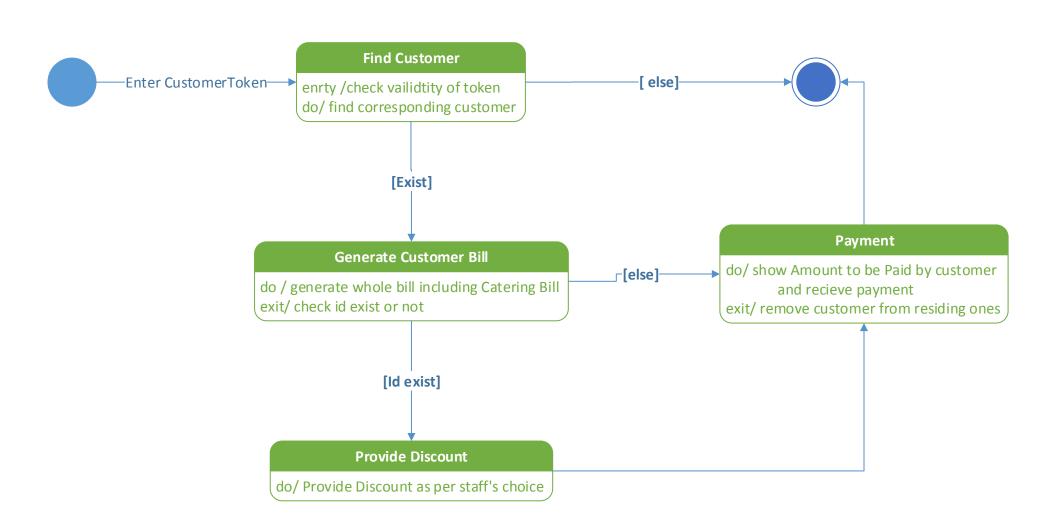
#### CheckIn

- CustomerToken: String
- identifyReservation()
- updateallCustomerDatabase()
- issueId()



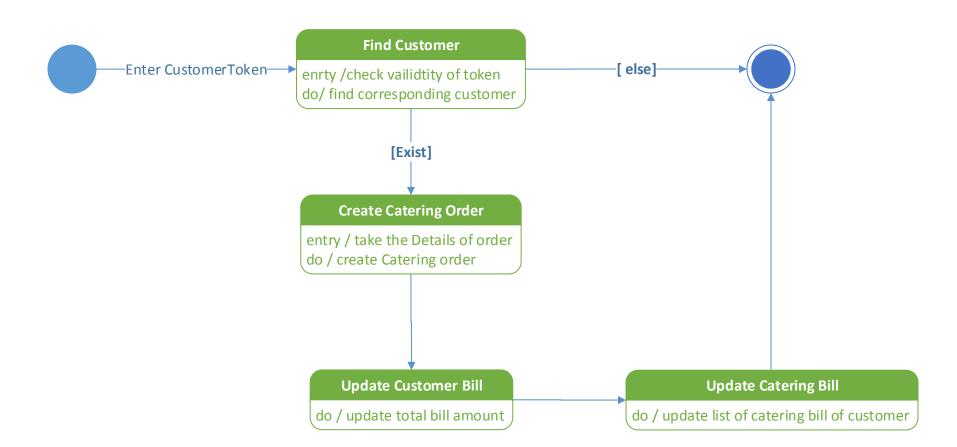


- CustomerToken: String
- findCustomer()
- generateBill()
- provideDiscount()
- deleteCustomer()



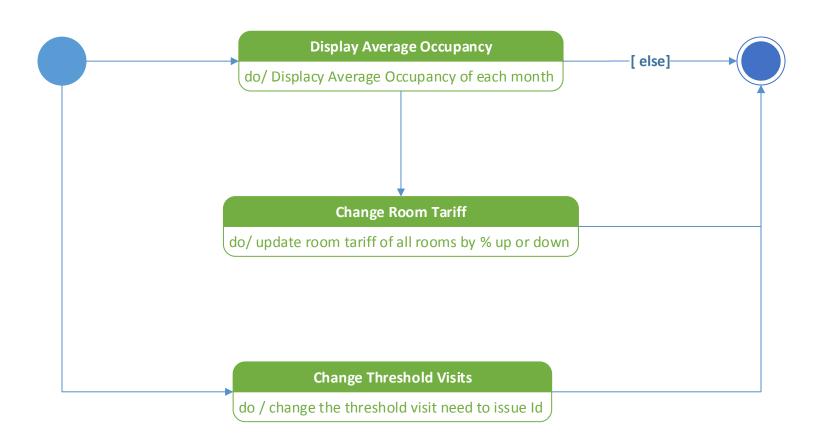
#### CateringService

- CustomerToken :String
- findCustomer()
- createOrder()
- updateCateringBill()
- updatebill()





- + AverageOccupancy[12] : array of float
- + currentOccupancy : float
- + Rates[4] : array of float
- + ThresholdFrequency : float
- showAverageOccupancy()
- updateTariff()
- updateThreshold()



# ACTIVITY DIAGRAM

