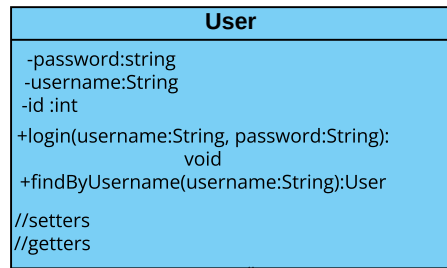
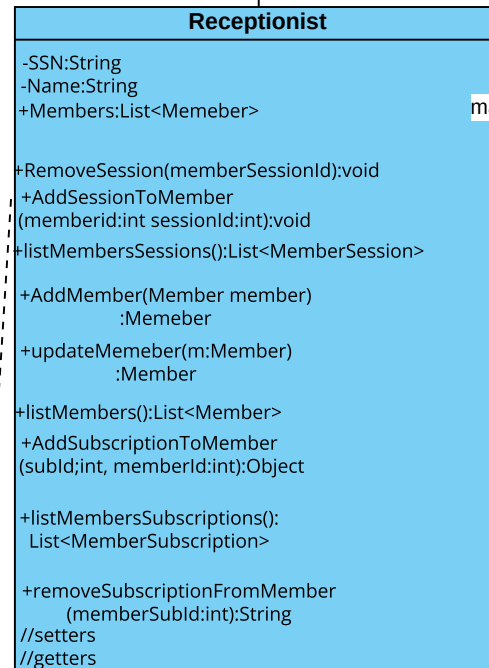
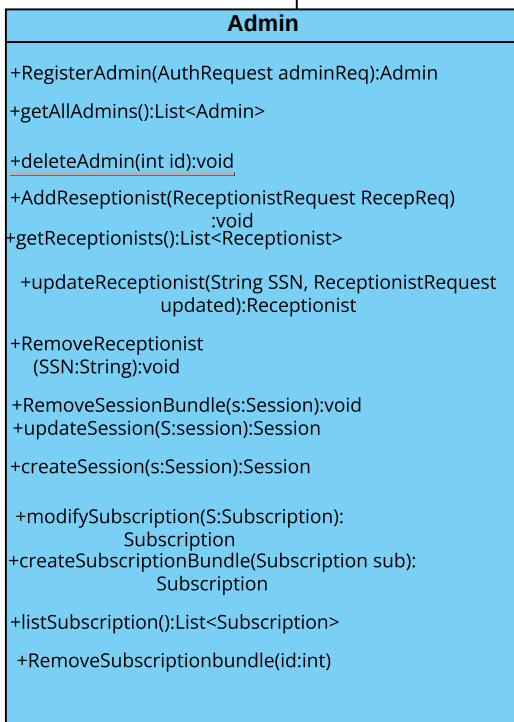
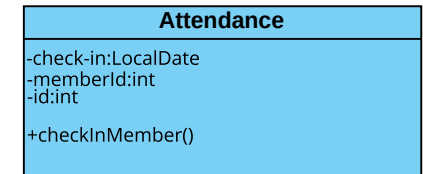
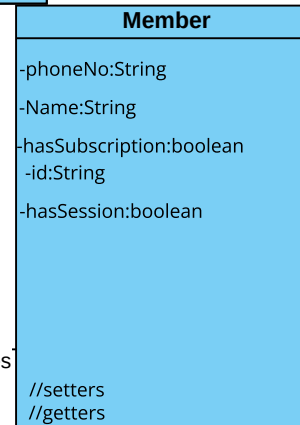




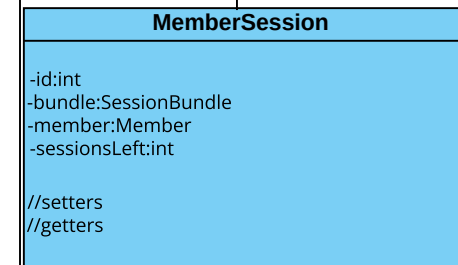
<<abstract>>



context User  
invariant:uniqueuser  
self.username->isUnique(u|u.username)

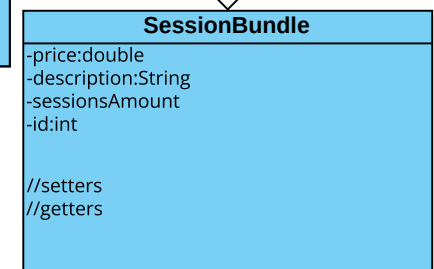


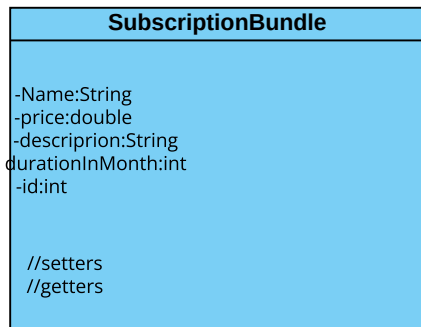
manages



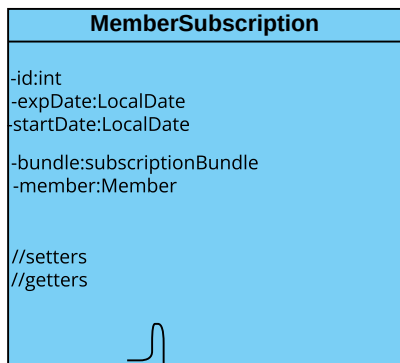
context Receptionist::addSubToMem(mid, subId)  
pre:self.members.collect(m|m.memberid=mId)  
.hasSubscription=false  
post:self.member.members.collect(m|m.memberid=mId)  
.hasSubscription=false

context Reception::addSessionToMem  
pre:self.members.collect(m|m.memberid=mId).hasSession=false & self.self.members.collect(m|m.memberid=mId).hasSubscription=true  
post: self..members.collect(m|m.memberid=mId).hasSession=true





context SubscriptionBundle inv  
DurationCheck:self.DurationInMonth>0



context MemberSubscription  
invariant datesCheck:  
self.expDate>self.startDate