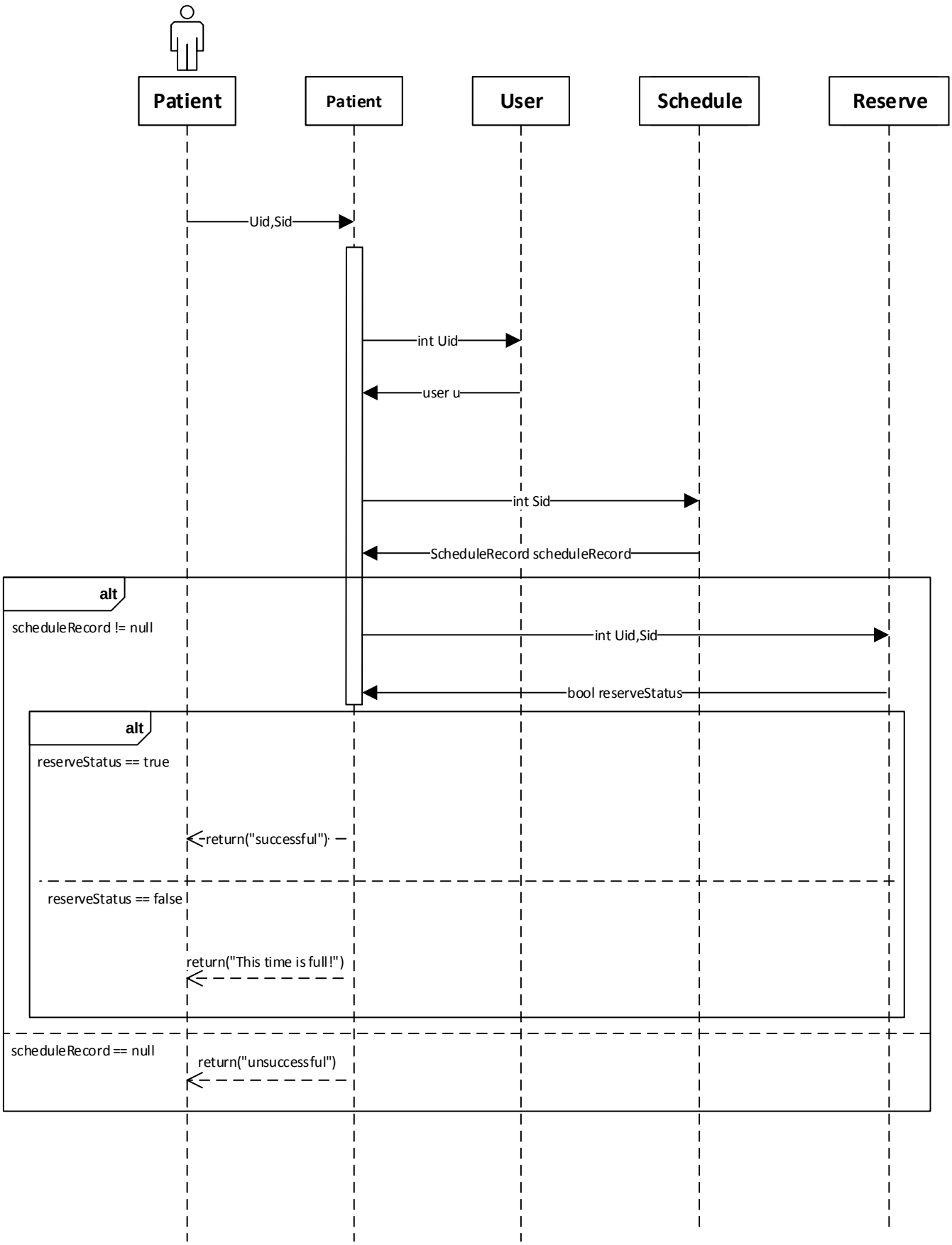
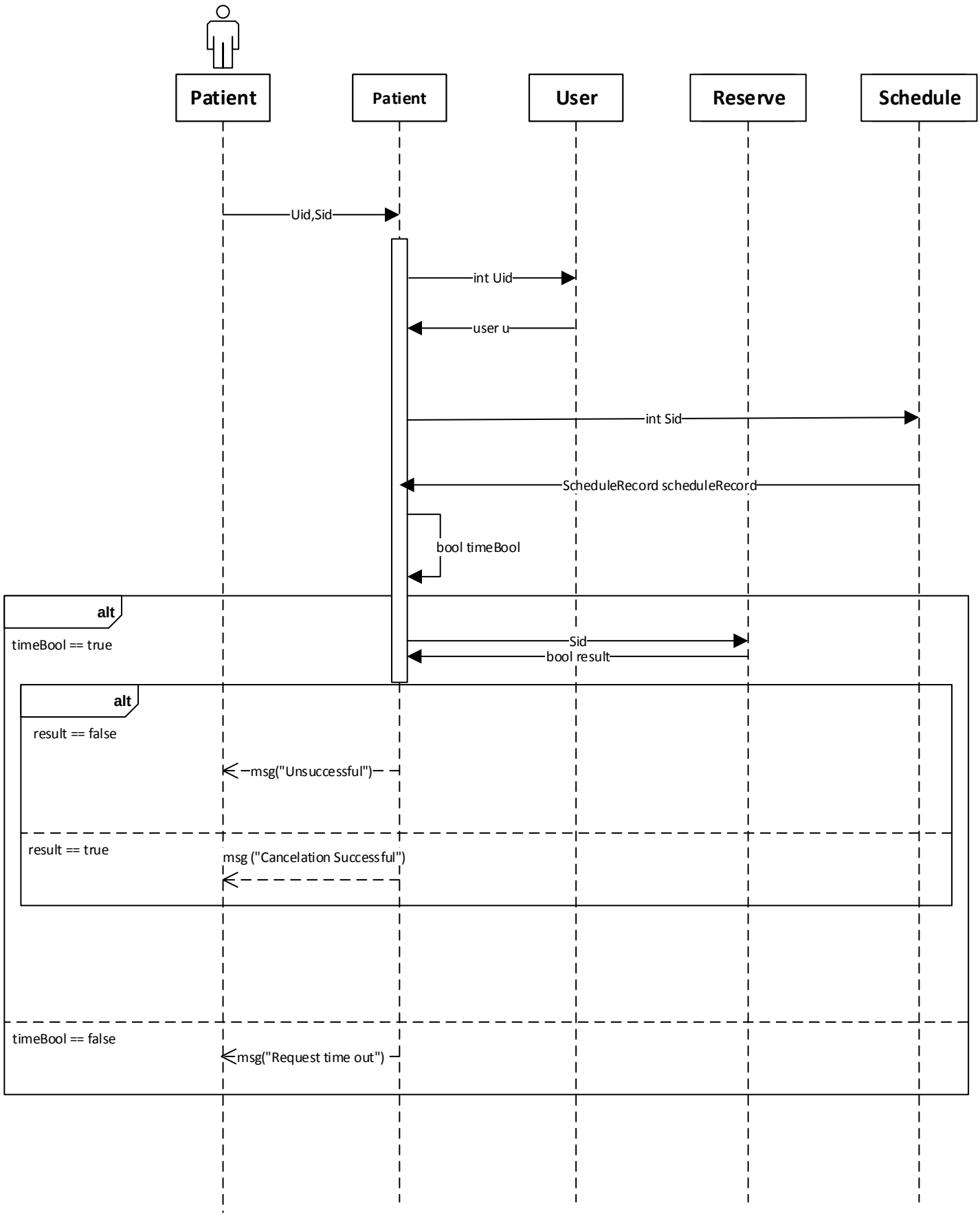
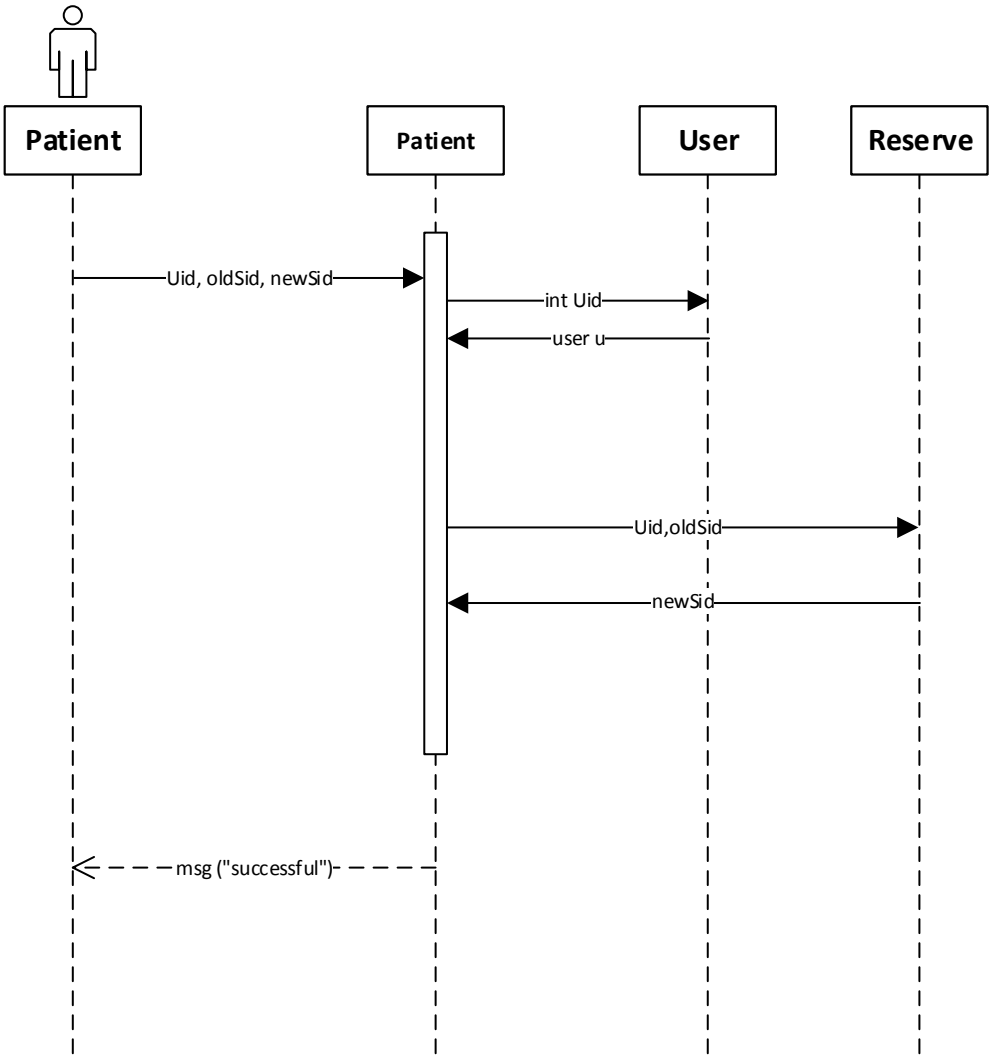

Patient
Patient
User
Schedule
Reserve
Uid,Sid
int Uid
user u
int Sid
ScheduleRecord scheduleRecord
alt
scheduleRecord != null
int Uid,Sid
bool reserveStatus
alt
reserveStatus == true
return("successful")
reserveStatus == false
return("This time is full!")
scheduleRecord == null
return("unsuccessful")

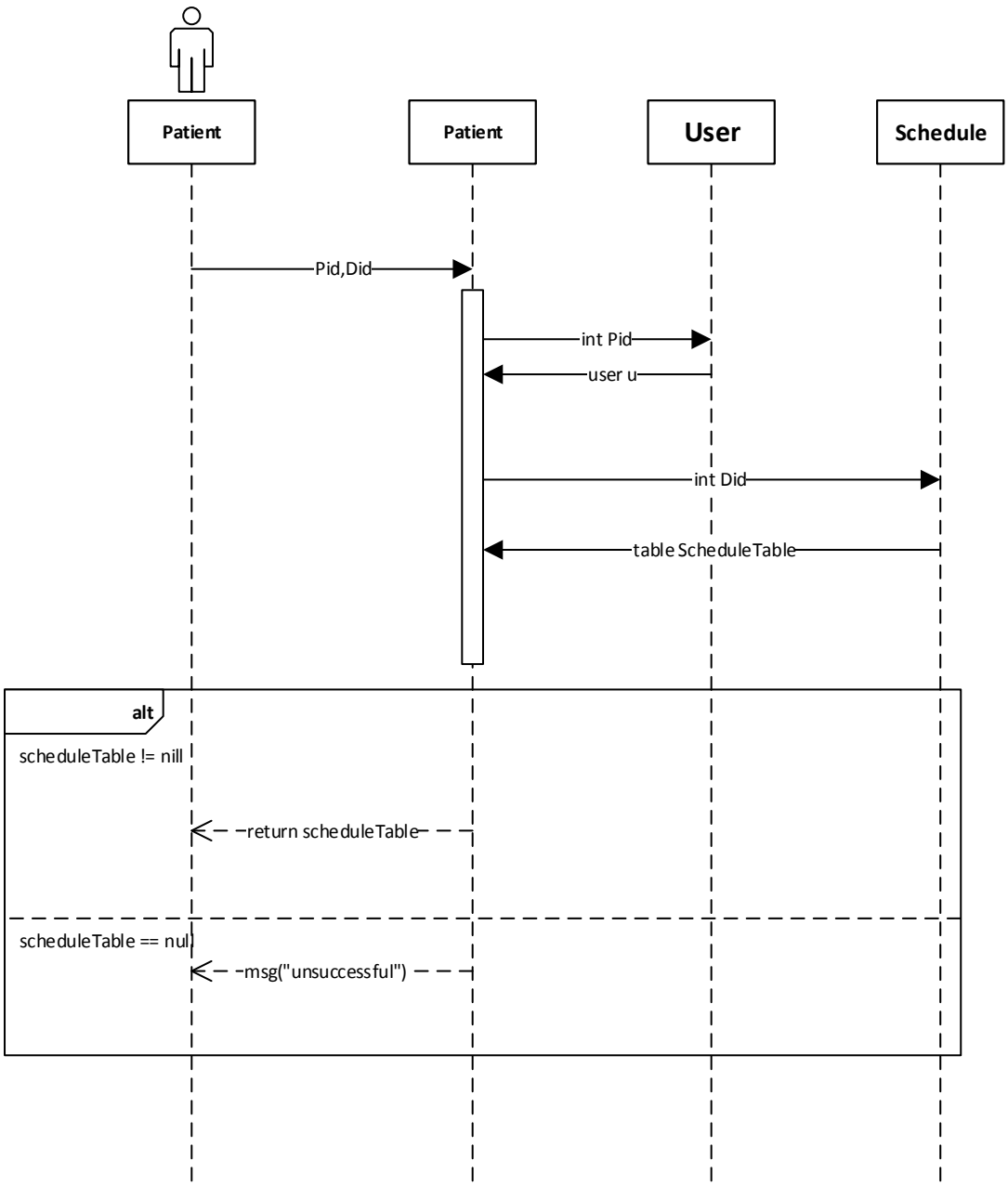
Reserve


Patient
Patient
User
Reserve
Schedule
Uid,Sid
int Uid
user u
int Sid
ScheduleRecord scheduleRecord
bool timeBool
alt
timeBool == true
Sid
bool result
alt
result == false
msg("Unsuccessful")
result == true
msg ("Cancelation Successful")
timeBool == false
msg("Request time out")

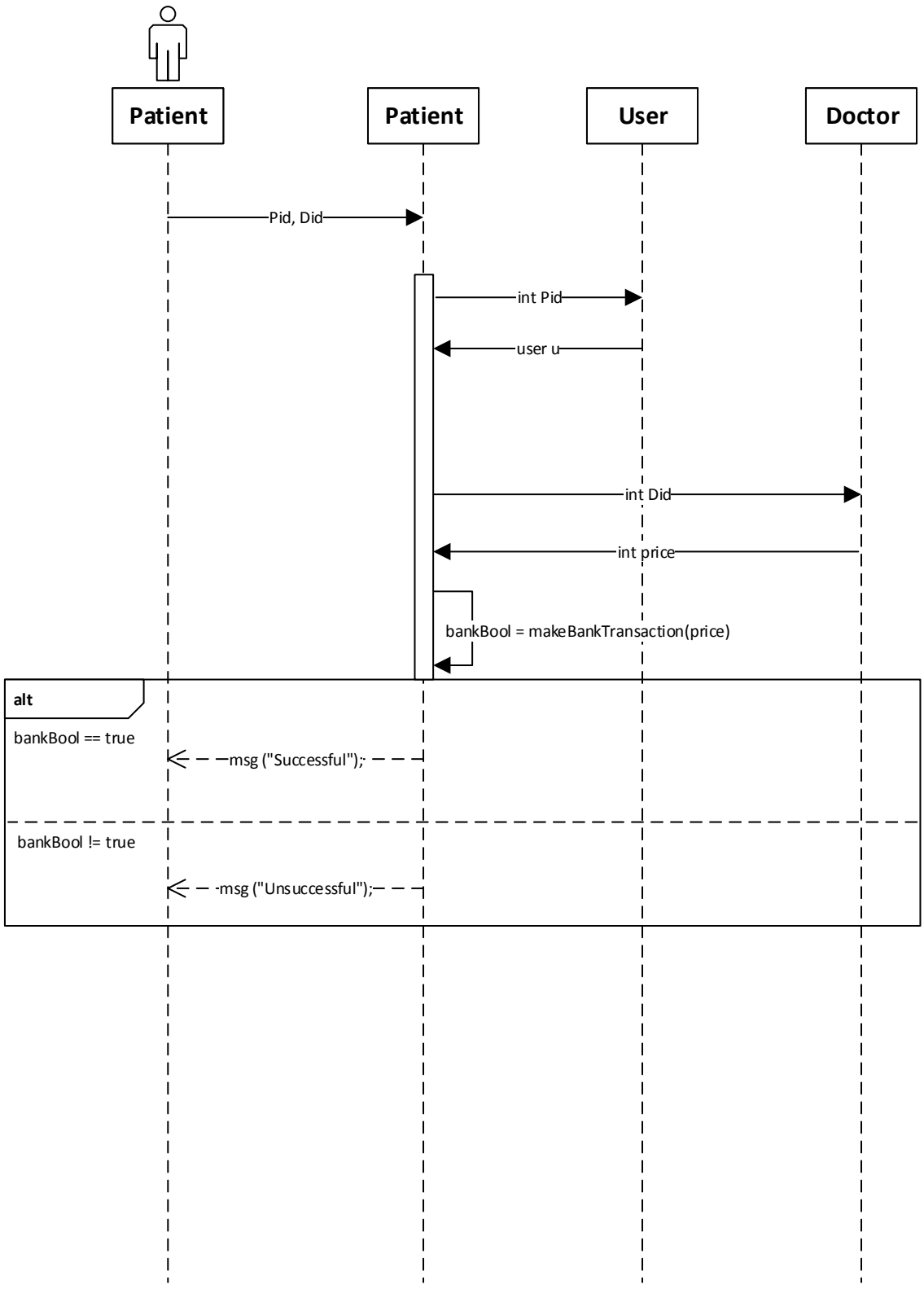
Cancel


Patient
Patient
User
Reserve
Uid, oldSid, newSid
int Uid
user u
Uid,oldSid
newSid
msg ("successful")

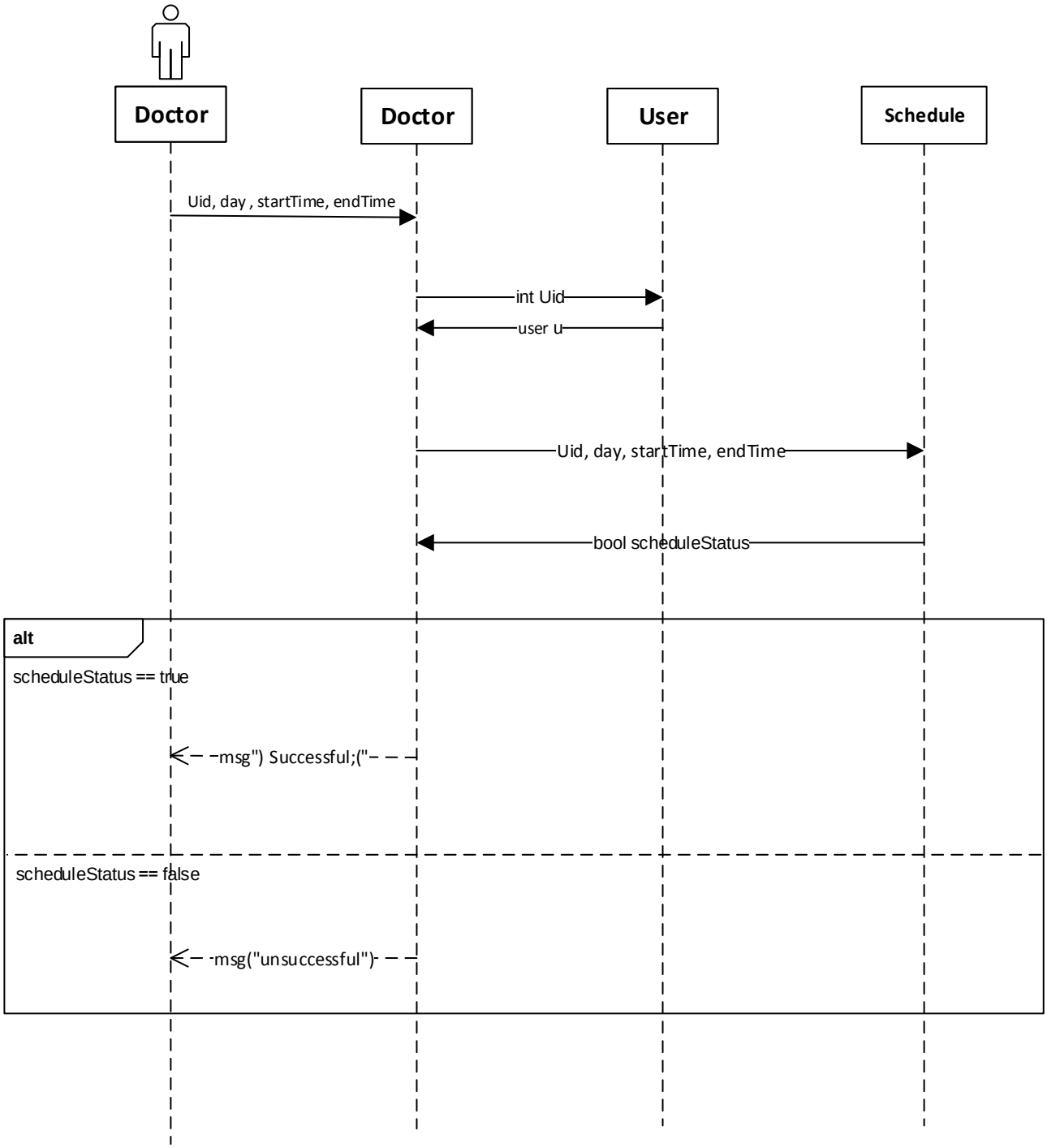
Change


Patient
Patient
User
Schedule
Pid,Did
int Pid
user u
int Did
table ScheduleTable
alt
scheduleTable != nill
return scheduleTable
scheduleTable == null
msg("unsuccessful")

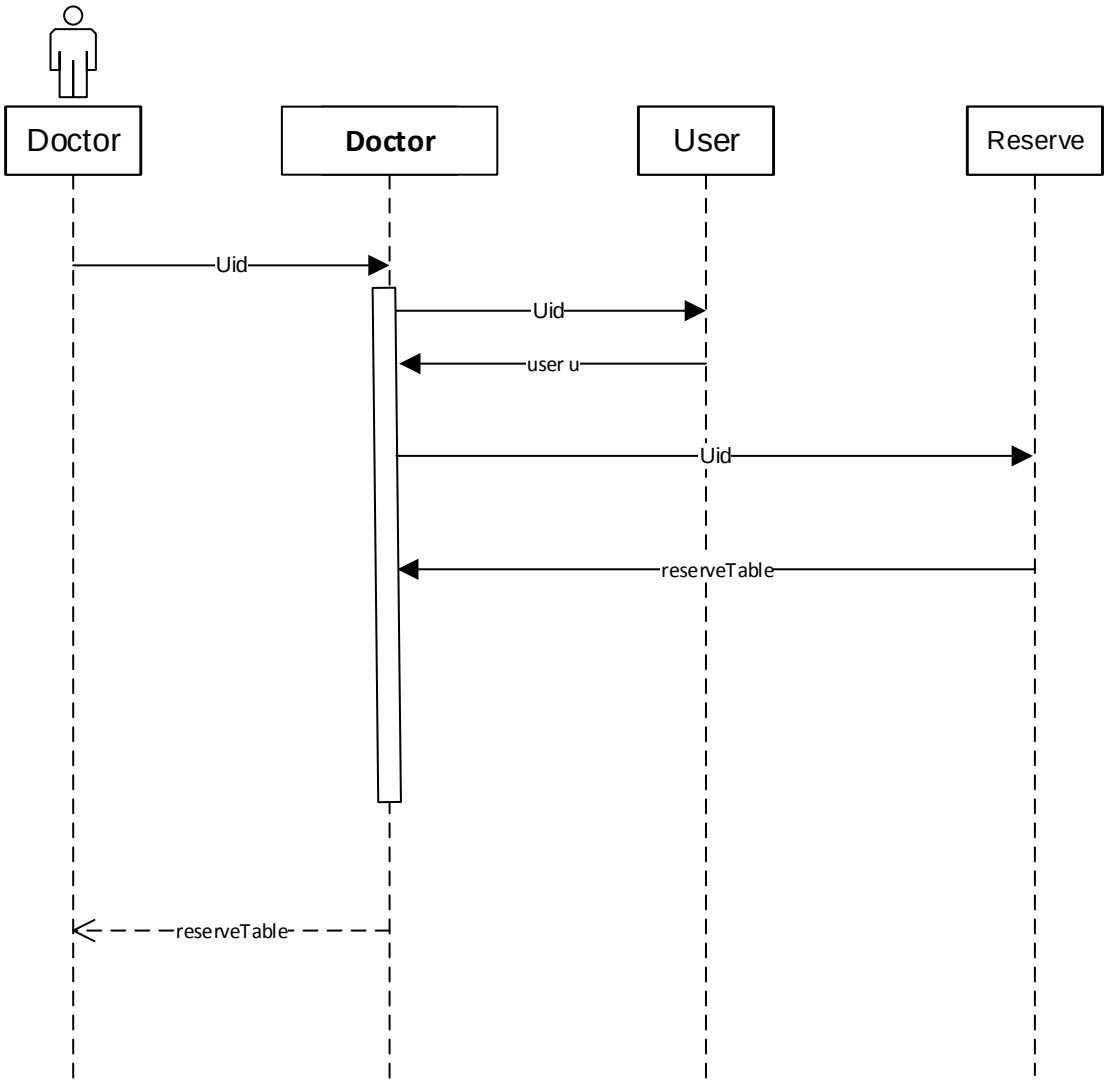
Observe


Patient
Patient
User
Doctor
Pid, Did
int Pid
user u
int Did
int price
bankBool = makeBankTransaction(price)
alt
bankBool == true
msg ("Successful");
bankBool != true
msg ("Unsuccessful");

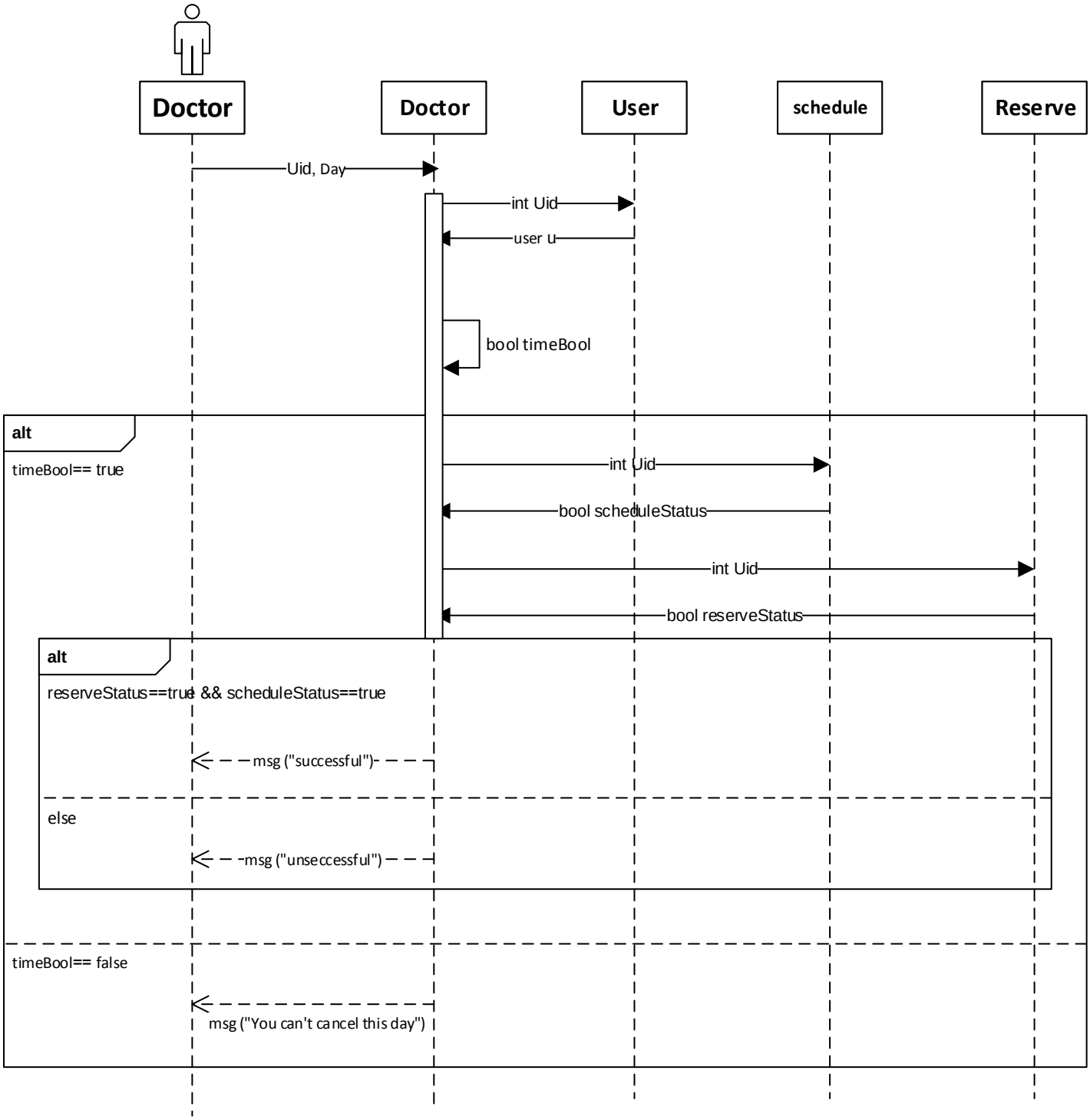
Pay



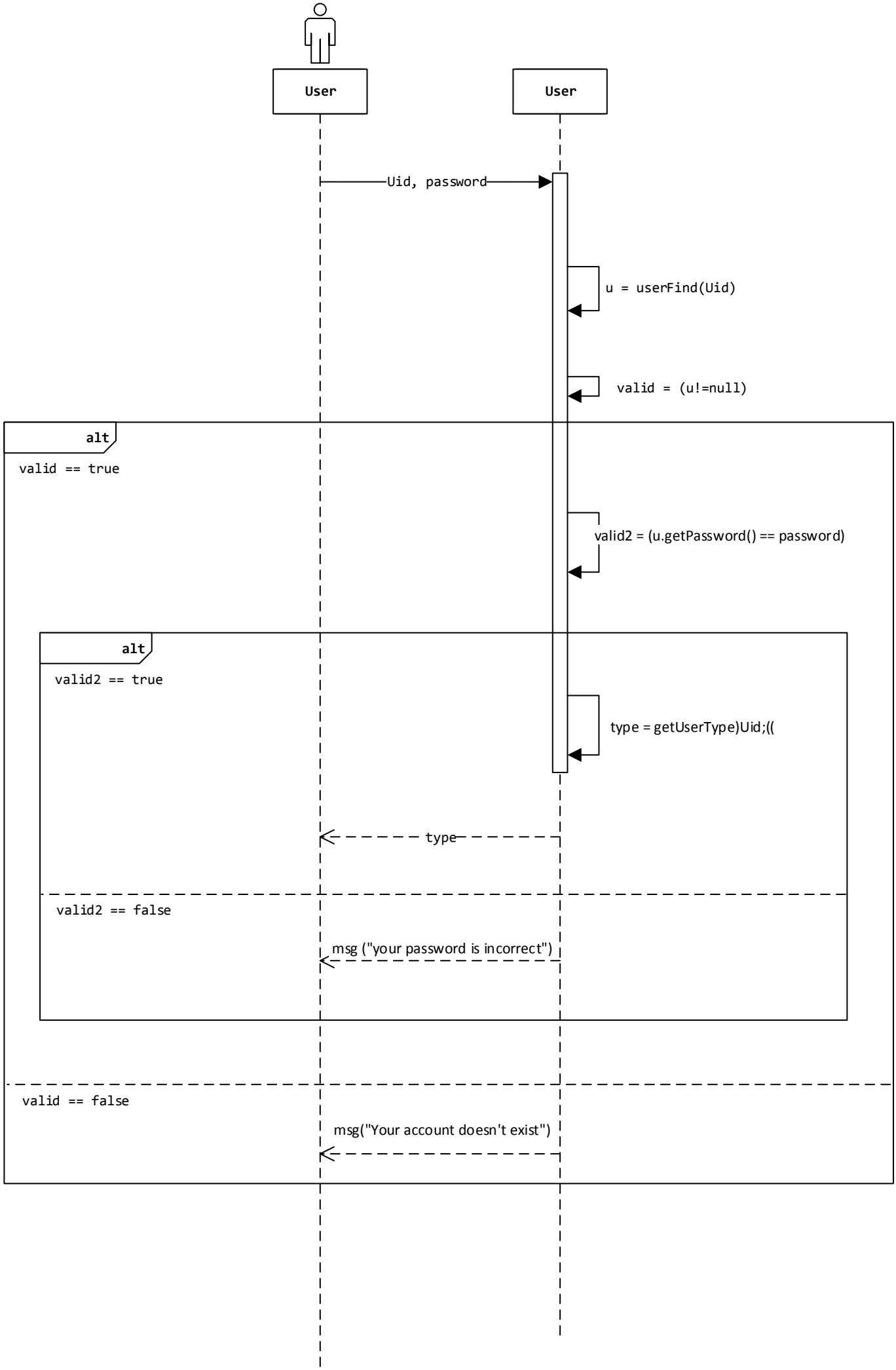
Time Announce



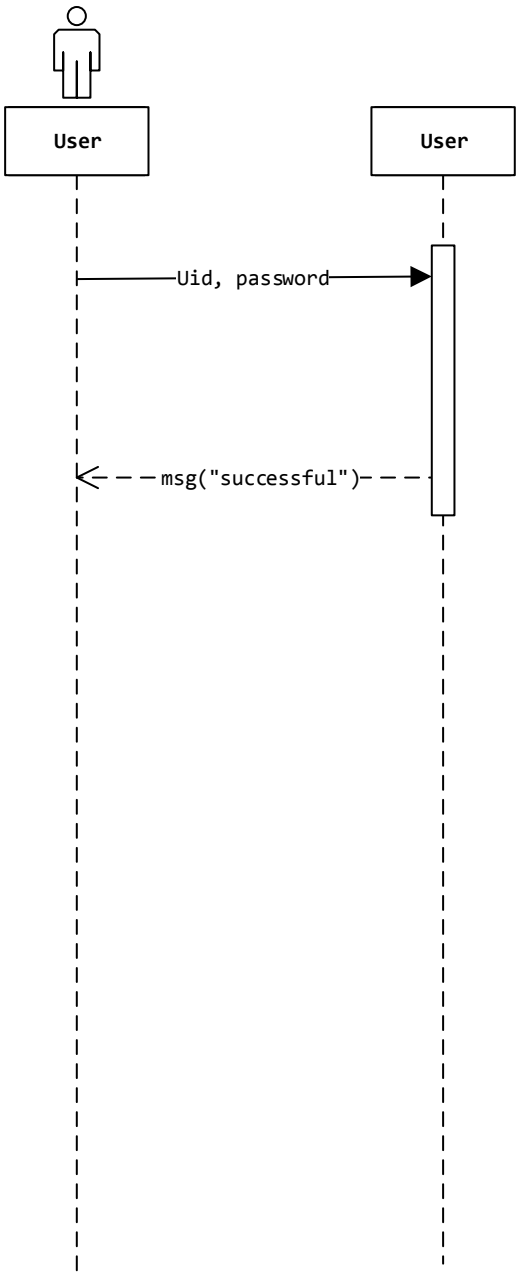
Observe Patients


Doctor
Doctor
User
schedule
Reserve
Uid, Day
int Uid
user u
bool timeBool
alt
timeBool== true
int Uid
bool scheduleStatus
int Uid
bool reserveStatus
alt
reserveStatus==true && scheduleStatus==true
msg ("successful")
else
msg ("unseccessful")
timeBool== false
msg ("You can't cancel this day")

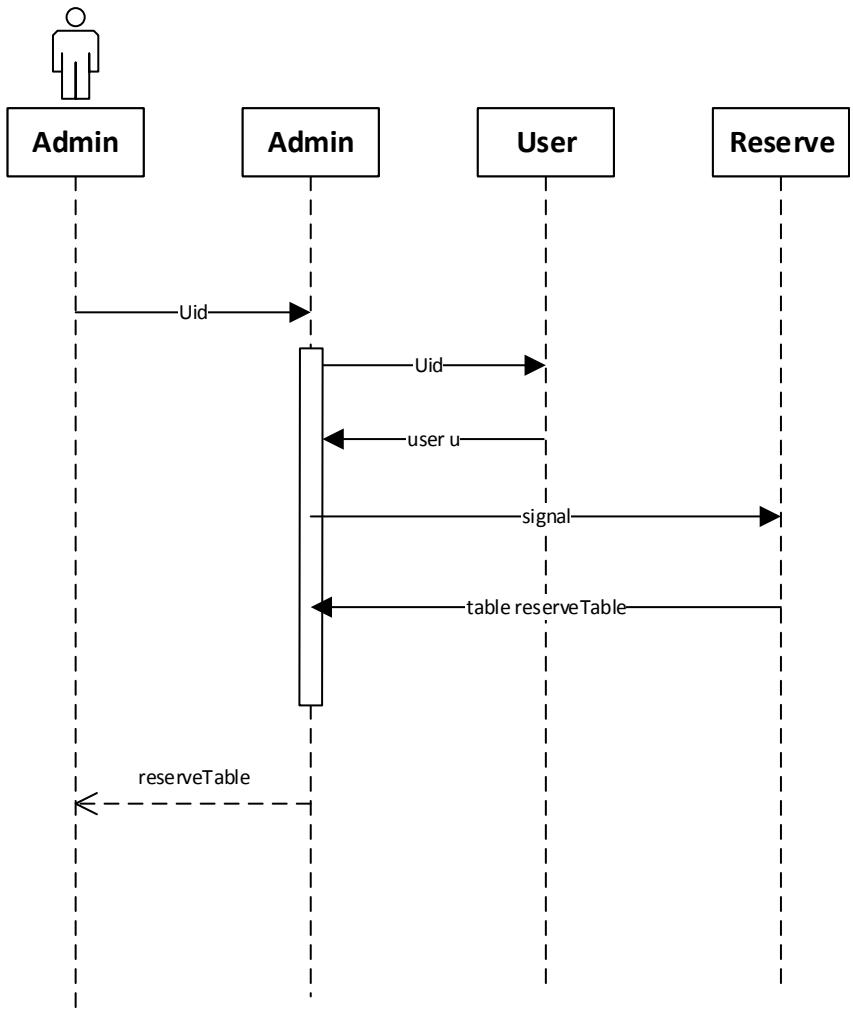
Cancel A Day


User
User
Uid, password
u = userFind(Uid)
valid = (u!=null)
alt
valid == true
valid2 = (u.getPassword() == password)
alt
valid2 == true
type = getUserType)Uid;((
type
valid2 == false
msg ("your password is incorrect")
valid == false
msg("Your account doesn't exist")

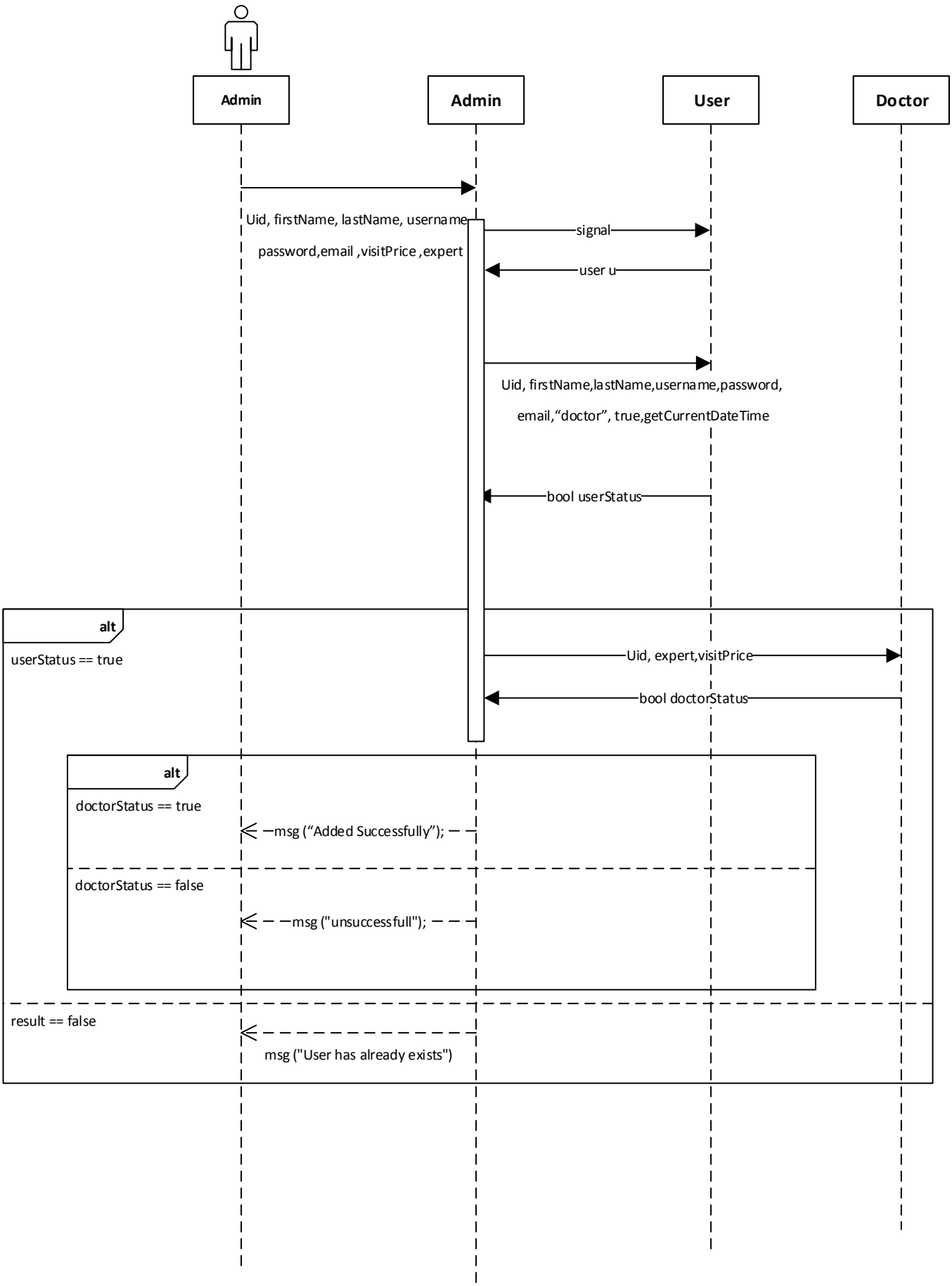
login



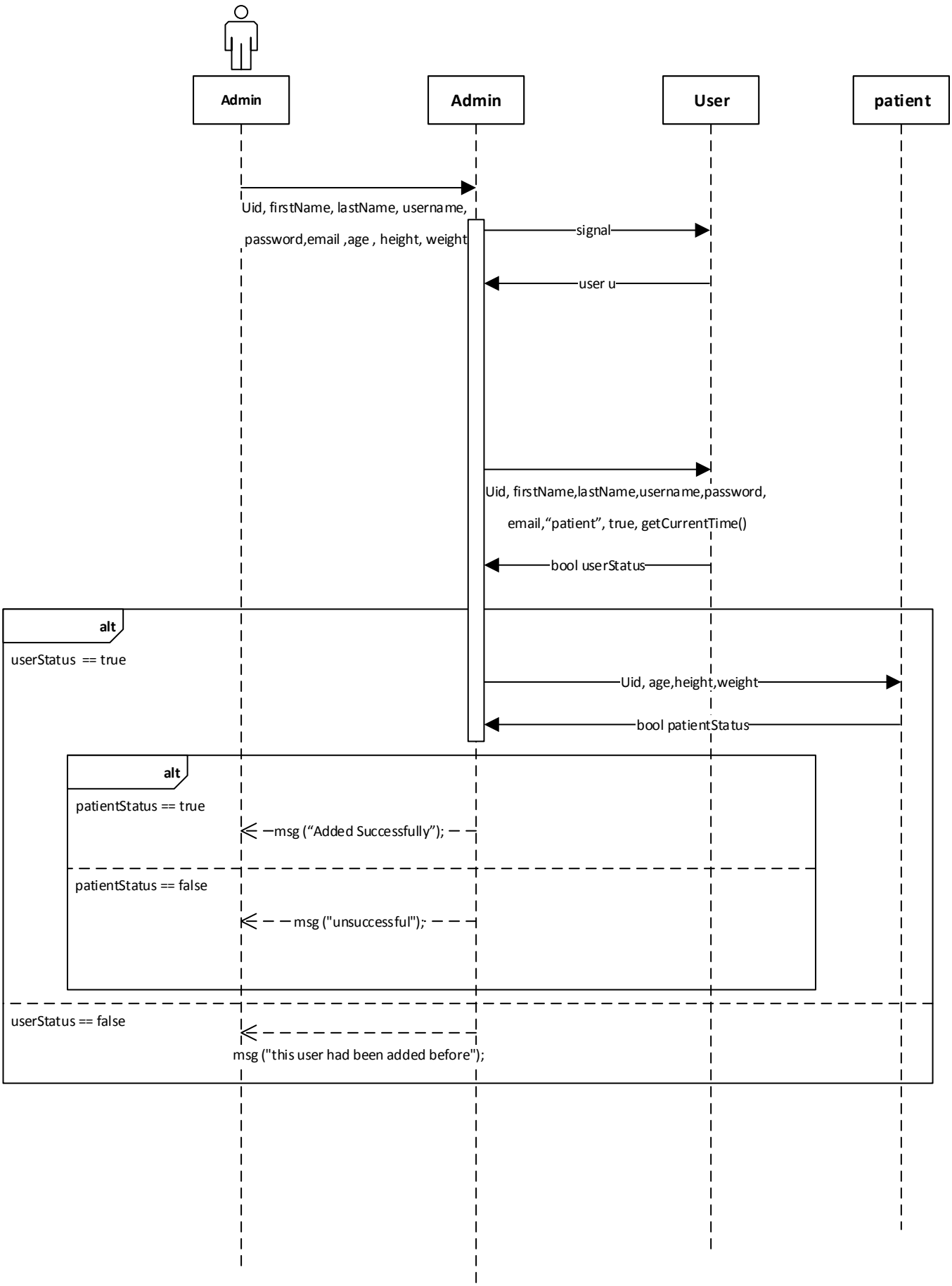
logout



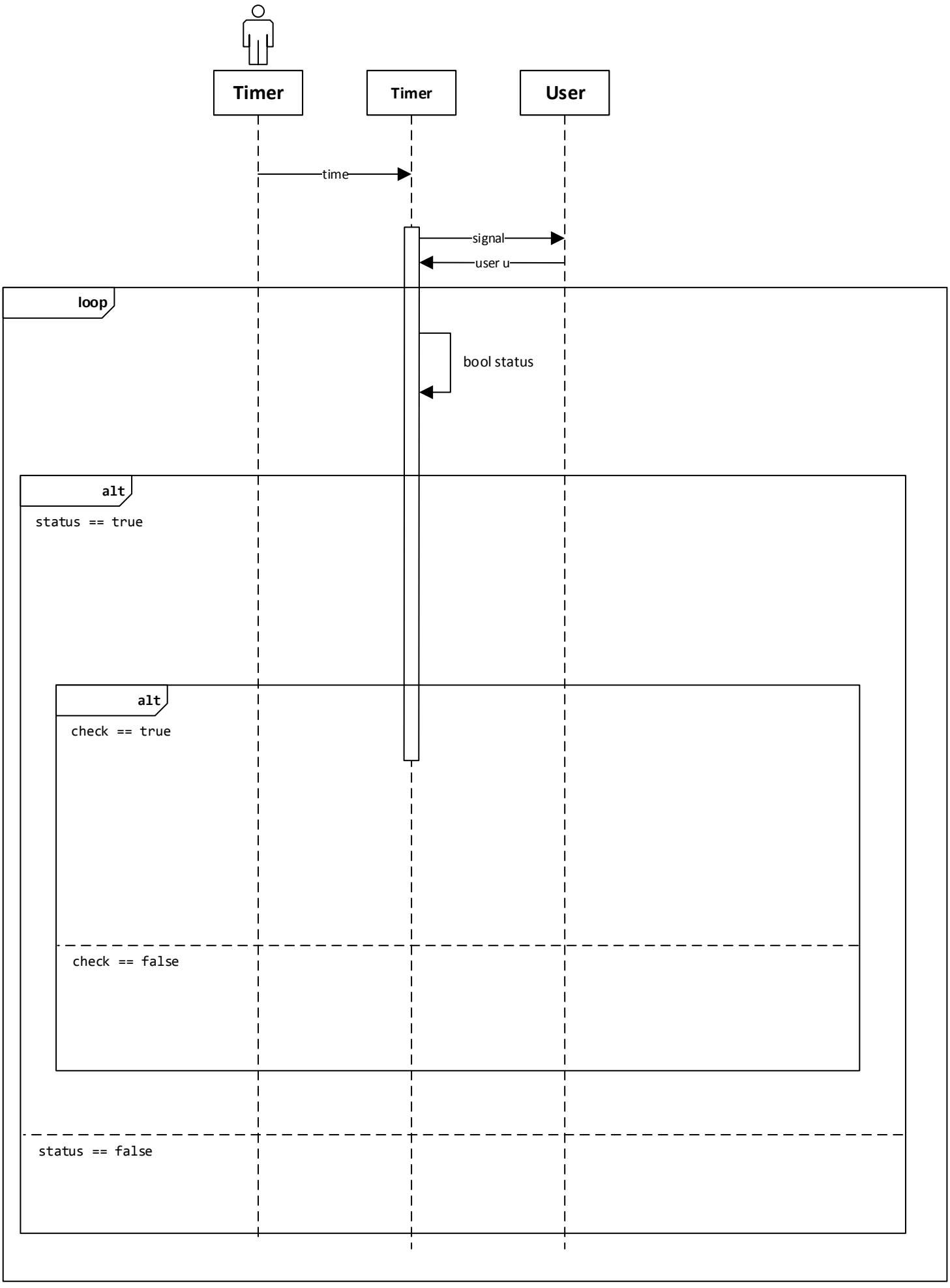
Observe Plan



Register Doctor



Register Patient


Timer
Timer
User
time
signal
user u
loop
bool status
alt
status == true
alt
check == true
check == false
status == false

Kick Out