Design an app for calling taxis

User:
Data: location, phoneNumber
Behaviors: loginTo, call, pay

AppService:
Data: locations, name, phoneNumber, collection of drivers, driverInformation,receipt
Behaviors: authorize, searchNearbyDrivers, callDriver,

Driver:
Data: driverInformation
Behavior: accept, driveToUser, drive

User jimmy
AppService dicalltaxi
Driver taxidriver

Sequence of Flow

Jimmy.loginTo -> dicalltaxi.authorize
If (dicalltaxi.authorize = true)
    Jimmy.call -> phoneNumber,dicalltaix.searchNearbyDrivers, collection of drivers location:
driverInformation
    If collection of drivers = 0
        return jimmy.CantCalltaxi
    dicalltaxi.callDriver -> driverInformation, taxidriver.accept
    Loop
    if (taxidriver.accpet != true)
        collection of drivers = collection of driver - thisdriver
        If collection of drivers = 0
            return jimmy.CantCalltaxi
        dicalltaix.searchNearbyDrivers, location: driverInformation
        dicalltaxi.callDriver -> driverInformation, taxidriver.accept
    end
    End

    taxidriver.driveToUser
    taxidriver.drive
    jimmy.pay
    return dicalltaxi.receipt
else
    return jimmy.CantCalltaxi
end