Rider

Name
Email
Password
Location(x,y)
book()
searchdriver()
Orders[]
calculatedistance()
updatecurrentlocation()

Driver/Cab

Name
CurrentLocation(x,y)
Orders[]
VehicleNumber
Email
Password
Availability
TakeCustomer()
updateAvailability()
updateCurrentlLocation()

Orders

*Driver
*Rider
StartLocation(x,y)
DestinationLocation(x,y)
Fare
calculatefare()
setstartlocation()
endtrip()

Rider

book()-To book ride for user

searchdriver()-Search for nearby drivers/cab

Orders[]-Will keep refernce to the previous order objects
sequentially

calculatedistance()-Will calculate distance of user from
current to entered location

Updatecurrentlocation-Will update location of user.

Driver/Cab

Takecustomer()-To accept ride of a customer

updateAvailability()-To update availability of the driver/cab

updateCurrentLocation()-Updates locations of the user

Orders

calculatefare()-calculate fare for the ride

setstartlocation()-will set location when rider start the ride it
will be called by Driver/Cab

endtrip()-will end trip, order object is saved and end location
is set through this function.