Tickets

- setNum: int

roundTicketPrice(double): double
availableSeatsCheck(int): boolean
setSeatNum(int): void

PassengerReader

- passengers: ArrayList<Passenger>

loadPassengers(): void
vipCheck(): boolean
addTripsNumber(String): void
deleteTripsNumber(String): void
getTripsNumber(String): int
getPassengers():
ArrayList<Passenger>

Passenger

-passengerName: String
-numberOfTrips: int

Passenger(String,int)
getPassengerName(): String
getNumberOfTrips(): int
setNumberOfTrips(int): void

Validate

- username: String
- password: String
- loginPassenger: String[][]
- loginDriver: String[][]
- loginManager: String[][]
- type: String
- counter: int
- accountType: int
- isCorrect: boolean
- employee: boolean
- passenger: boolean

setType(String): void
setLoginData(): void
loginValidation(): boolean
getAccountType(): int

FileReaderUtils

- passengerLogin: String[][]
- managerLogin: String[][]
- driverLogin: String[][]

readLoginFile(): void
readTripFile(): ArrayList<Trip>
readVipFile(): ArrayList<Passenger>
readDriverFile(): ArrayList<Driver>
readHistoryTipsFile():
ArrayList<History>
readCurrentTripsFile():
ArrayList<Current>
getPassengerLogin(): String[][]
getManagerLogin(): String[][]
getDriverLogin(): String[][]

FileWriterUtils

writeTripFile(ArrayList<Trip>): void
writeVipFile(ArrayList<Passenger>): void
writeDriverFile(ArrayList<Driver>): void
writeHistoryTripFile(ArrayList<History>): void
writeCurrentTripFile(ArrayList<Current>): void

DriverReader

- driverFirstName: String
- driverInfo: ArrayList<Driver>

loadInfo(): void
setDriverFirstName(String): void
getDriverFirstName(): ArrayList<String>
driverIndex(): int
getAssignedTrips(): ArrayList<Trip>
addAssignedTrip(String,String,String,String):
void
getDriverLastName(): String
getDriverGender(): String
getDriverNumber(): String
getDriverInfo(): ArrayList<Driver>

Driver

- driverFirstName: String
- driverLastName: String
- driverGender: String
- driverNumber: String
- assignedTrips: ArrayList<Trip>

Driver(String,String,String,String,ArrayList<Trip>)
getDriverFirstName(): String
getDriverLastName(): String
getDriverGender(): String
getDriverNumber(): String
getAssignedTrips(): ArrayList<Trip>

HistoryTripReader

- name: String
- history: ArrayList<History>

setName(String): void
load(): void
showTrips(): ArrayList<Trip>
addHistory(ArrayList<Current>):
void
limoHistory(): void
getHistory(): ArrayList<History>

History

- name: String
-trips: ArrayList<Trip>

History(String,ArrayList<Trip>)
getName():String
getTrip():ArrayList<Trip>

TripReader

- index: int
- trips: ArrayList<Trip>

load(): void
showTrips(): ArrayList<Trip>
findTrip(String,String): ArrayList<Trip>
addTrip(String,String,String,String,int,double,int):
void
assignTrip(String,String,String,String,String): void
deleteTrip(String,String,String,String): void
getSource(): ArrayList<String>
getDestination():ArrayList<String>
findRoundTrip(String,String,String):
ArrayList<Trip>
getNumberOfSeats(String,String,String): int
setNumberOfSeats(int): void
getTrips(): ArrayList<Trip>

CurrentTripsReader

- name: String
- currents: ArrayList<Current>

load(): void
showTrips(): ArrayList<Trip>
confirmTrip(String,String,String,String,String,int,double):void
cancelTrip(String,String,String,String,String): void
getCurrents(): ArrayList<Current>
setName(String):void

**<<interface>>
Reader**

load(): void
showTrips():
ArrayList<Trip>

Current

- name: String
- trips: ArrayList<Trip>

Current(String,ArrayList<Trip>)
getName():String
getTrip():ArrayList<Trip>

Trip

-source
-destination
-vehicle
-numOfStops
-time
-ticketPrice
-numberOfSeats
-driverName

Trip(String,String,String,String)
Trip(String,String,String,int,String,double)
Trip(String,String,String,int,String,double,int)
Trip(String,String,String,int,String,double,int,String)
getSource(): String
getDestination(): String
getVehicle(): String
getNumOfStops(): int
getTime(): String
getTicketPrice(): double
getNumberOfSeats(): int
setNumberOfSeats(int): void
getDriverName(): String
setDriverName(String): void