Design Parking Lot

ParkingFloor

fname : String
spot : ParkingSpot
entry : Entry
exit : Exit

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nearestEntry() : String
nearestExit() : String
isFull() : boolean
addSpot() : void
removeSpot() : void
assignVehicleSpot() : void
freeSpot() : void

Parking Lot

name : String
address : String
floor : ParkingFloor

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addFloor() : void
removeFloor() : void
isFull() : boolean
addEntry() : void
addExit() : void

Ticket

ticketID : String
issueAt : String
Status : PaymentStatus
PayedAt : Strg

Payment

id : String
date : Date
smont : double
Status : Payment
Stat.

ParkingSpot

spotId : String
Vehicle : Vehicle
type : ParkingSpotType

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isfree() : boolean
assignVehicle() : void
removeVehicle() : void
assignType() : void

Vehicle

licence numb : String
type : VehicleType

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assignTicket() : void

Payment Status

paid
unpaid
LOST

Extends

Car   Truck   bike   Electric

Extends

Handicapped   bike   Electric   Large   Compact