Model1::ClassDiagram1

CLASS DIAGRAM-SMART PARK

Person

-personID
+name
+roletype
-contactinfo

+login()
+managerole()

ParkingLot

-lotID
+location
+totalSpaces
-availableSpaces

+entry()
+exit()

Parking Space

-spaceID
+spaceType
+parkingRate
-isReserved

+reserveSpace()
+releaseSpace()

Reservation System

-reservationID
-vehicle
-space
+reservationTime

+createReservation()
+cancleReservation()

Vehicle

-vehicleID
+vehicleType
+licensePlate
-ownerName

+park()
+exit()

Billing System

-billID
-amount
+vehicle
+paymenyStatus

+generateBill()
+processPayment()