

## **Overview**

When person come → Check the vehicle type → Select a spot for his vehicle type

No → Select any spot greater than for his vehicles

→ Yes → Print Parking Ticket

→ No → We don't have any slot Sorry

Yes → Print Parking Ticket

When person exist → Check ticket(Scan) → evaluate cost

→ Pay → Yes → Get Open

→ No → Pay(Try again) → Until Yes → Get open

## **Parking Ticket**

-Floor

- Id of spot

- Friendly direction

- Rate Card

- Time of entry

## **Admin**

Add spots

Add floors

Remove spot

Remove floors  
Rate card modified

## **Steps**

List down all abstraction  
List down all classes  
Figure out relation between classes  
\*Try to simplify

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Implementation

## **Enum Spot Type**

Large  
Medium  
Small

## **Parking Spot**

Spotlocation  
Spot type  
I Vehicle  
isActive  
Arrival Time

## **Spot Location**

SpotId  
Floor Number  
Friendly Direction

## **Ticket**

Spot

Rate

## **I Vehicle**

Reg num

Spot

Vehicle Type

## **Rate Card**

Map(Spot Type vs Cost)

Function ( Update Map)

## **Parking Lot**

Rate Card

List(Spot)

entry(ivehicle)

exit(payment)

Get amount for exit (ticket)

Get amount for exit (vehicle register number)(if somebody lose ticket)

RemoveSpots()

## **Admin**

Name

Id

Parkinglot

## **Parking Dashboard**

List Spot

Free Spot by types(Spot Type)

Vehicle ( total vehicle is parking) ()