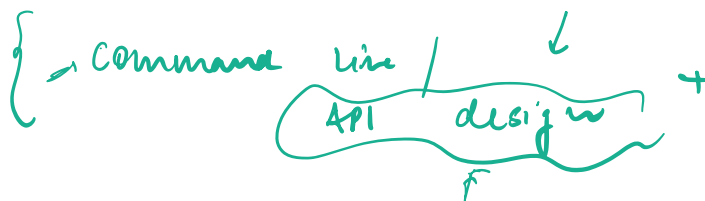
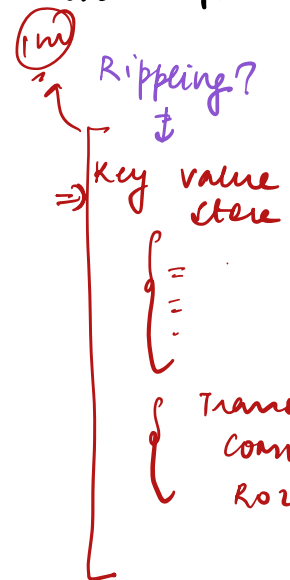


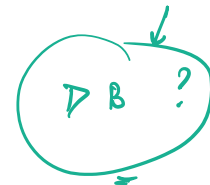
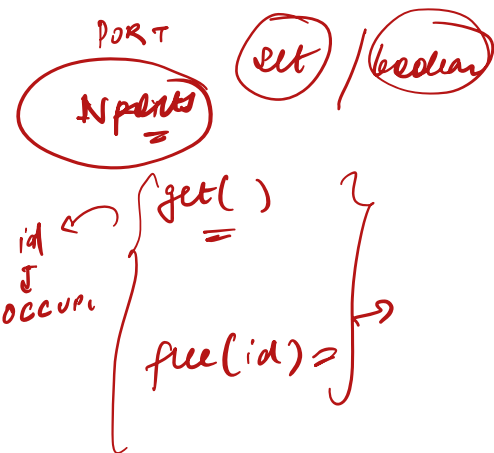
uses



Algorithm
Problem
Challenge

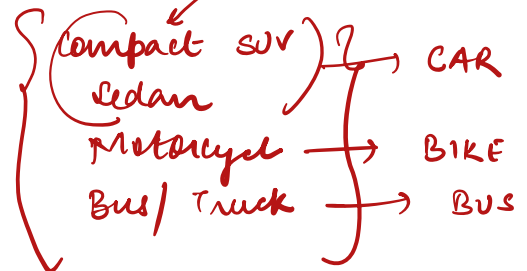


Return
PORT

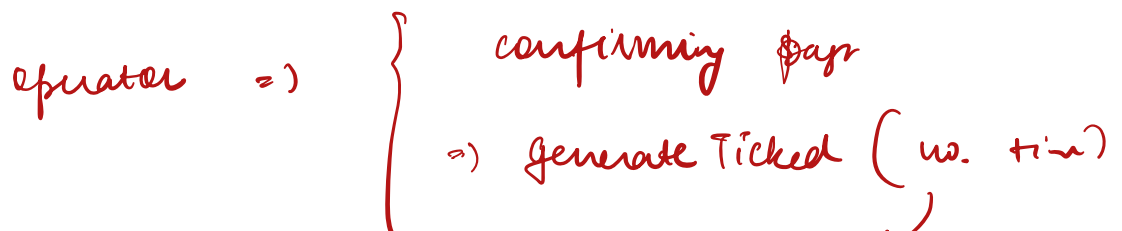
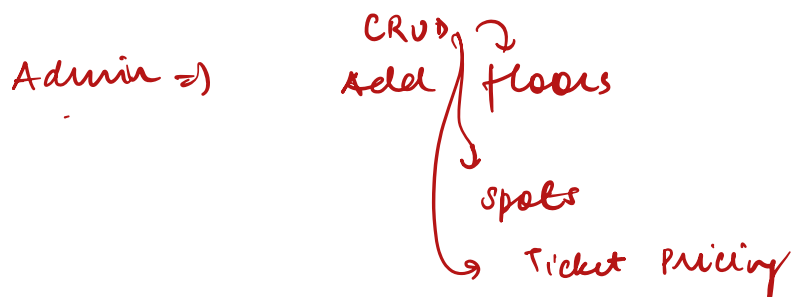


Gather Requirements :

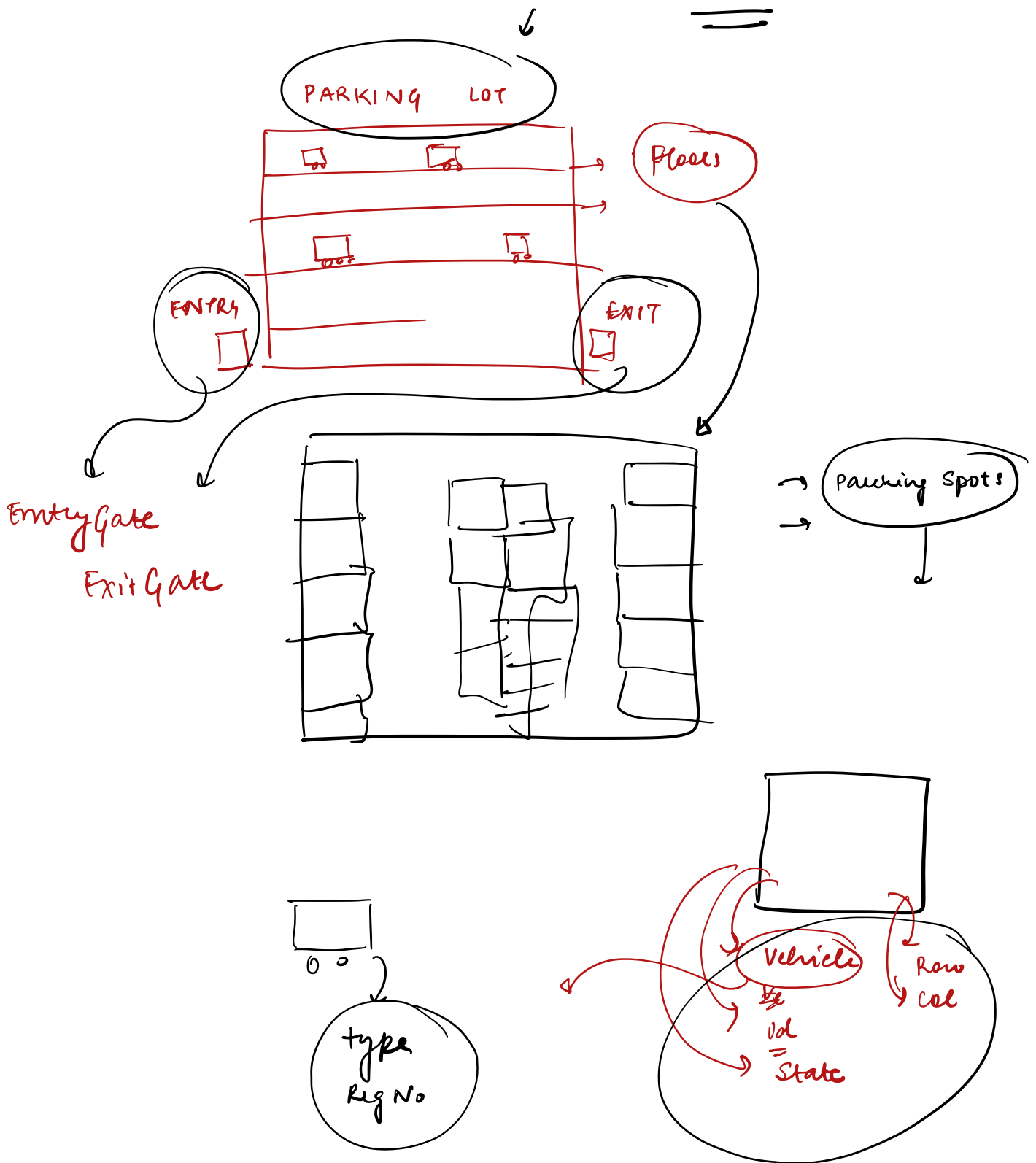
- 1) Size? Floors (Multi level or single level)
↳ capacity?
- 2) Entry and Exit gates? (multiple)
- 3) Entry gate => Ticket is generate and a slot is allocated with time noted
=> should check availability
- 4) Parking floors -> many parking spots

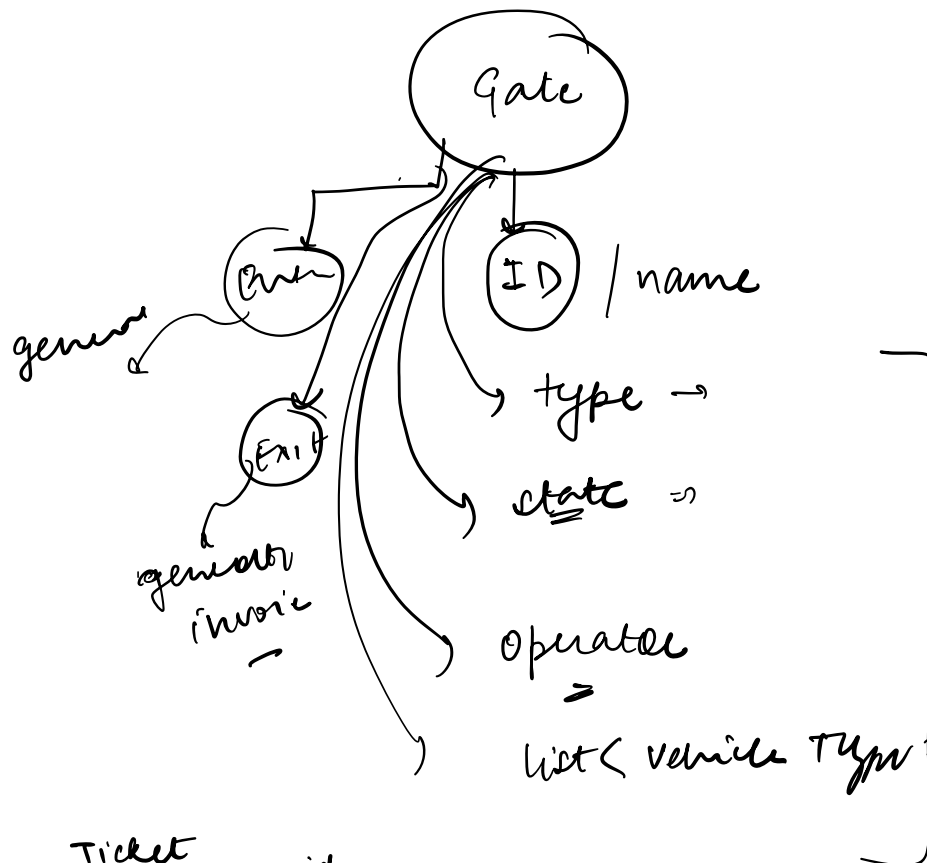


- 5) Exit Gates => charged according pay the amount
automatically slot is freed



TOP DOWN



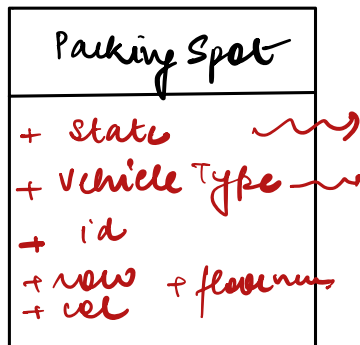
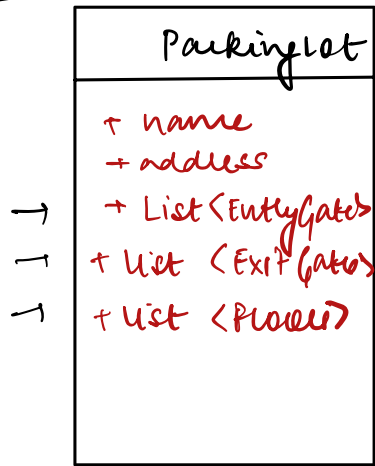
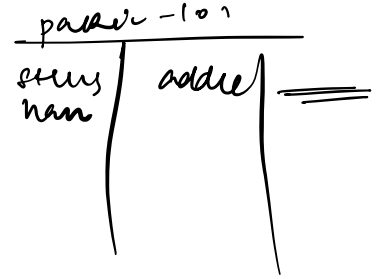


Ticket

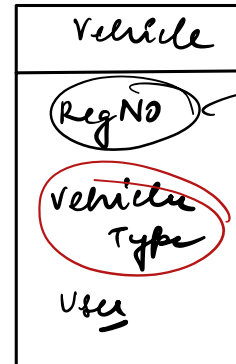
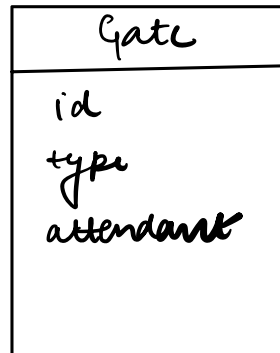
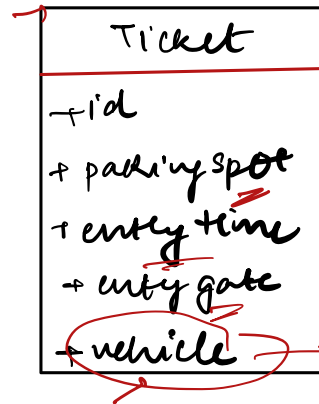
- ~~car~~ ^{vehicle} id
- QR code
- time entry
- entry gate
- ~~cost~~
- parking spot
- ~~parking floor~~

Bill

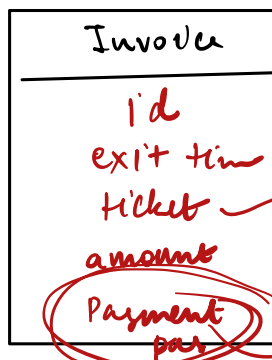
- amount
- exit time
- ~~entry time~~
- details
- id
- payment type
- ~~vehicle~~
- ~~ticket id~~
- ~~slot~~
- ticket



+ vehicle
+ charges



10:45



mode
status
time
uid

