Agenda.

-> Schema Design.

-> Implementation.

Class Diagram revision

Parkinglot

id

list (Parkinglate)

List (Exit gate)

List (Supported

Vehicle)

Status

List (Ticket)

Parking froor

10

number
List (lauking spot)

Status

CLOSED,
OPEN,
FULL,

- id - number - Operator - Stams - GateType

GateType ENTRY, ENT. Supported Vehicle

BIKE,

SLOOTY,

CAR,

EU

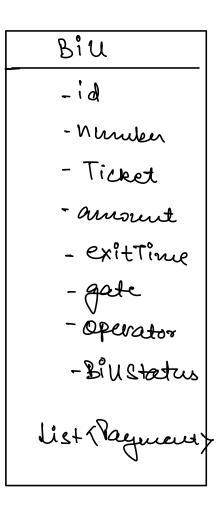
=

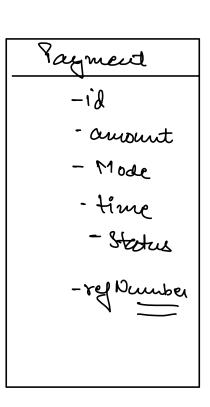
ParkingSpot - id - VehicleType - Status - mumber

Vehicle
-id - number
-Owner
- type

Operator
6 i –
- name
- empod
,

Ticket
-id
- number
- cutyTime
-Veclicle
- Parking Spot
- gate





Mode CASH, CC, DC, UPI,

Pesign Patterne
Spot Assignment
< <spot assignment&toategy="">></spot>
ClosestSpot Assignment VIPSpot Assignment CheapertSpot Strategy Strategy
FeeCal culation Strategy
Adapter => Integrate 3rd party 89.

Schema	Design.
	

- 1) for all the classes in the class diagram, mate a Corresponding table in the 178.
- 2) for primitive (simple) attributes in these classes, represent as a column in the table.
- 3 for non-primitive attributes > relationship b/w the entities.
 - i) find the Cardinality of that reli.

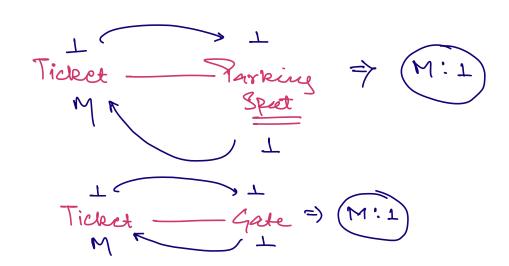
 ii) Apply the rule to represent the Cardinality in the DB.

=> Cardinality Rules.

1: L => Id of one side on other side. 1: M | M: L => Id of (1) on (M) side. M: M => Mapping table.

The property of the property o

failing_lots
id
Parleina Lange 1:M
Parking-floors
ld number karking-20t-id
Parking-spots
Parking-floor-id
gates [d number Rausing 20t. id Operator-id
Operators
Ticket Vehicle > M:1
id number entry-time parking-lot-id vehicle-id buking-spot-id
gete-id



bills

fayments

Vehicles

id number pronerid

Vehicle — Drouer => M:1

Vehicle - Vehicle Type

Vehicles

	_	_	
íd	number	Droner_id	type
1	KA01M1239	100	SEDAN
2_	HR16X 1234	200	Hatzlubask
3		501	\$७∿
4		420	€∪

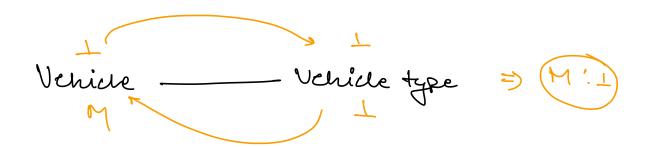
SUV-XUV

- 1) thige space wantage
- 2) Chances et typo.
- Maleing any crange will be difficult.
- 4) String comparisons are costly.
- => Store it as a mapping table.

only two columns id & value.

vehicle-types

Value
Hatelibace
SED AN
SUV XUV



Vehicles

SUV >> XUV

(ત)	number	Droner_id	vehicle_type_id
7	KA01M1234	100	7
2_	HR16× 1284	200	7
3		501	2_
4		420	3

Parking Lot Supported Vehicletype

M:M

The second of the

Parking-lot-vehicle-types

Parking_lot_id	vehicle tepe id
7	·

Code: View: UI
Controllers: keetsy point ef om app.
Cuaterickete) (Createricket(-) (Pr)
⇒ Code Modele
Entities Classes that me have come up in the class diagram.

Create Ticket (---) 4

3

Ticket Controller 1

Ticket CreateTicket (______) L

골 <u>=</u>

<u>ਭ</u>

Userlontroller L

UsaDTO

Ver Create User (---) <

<u>=</u>

<u>ર</u>

-> DTO: Pata Transfer Object.

i) Addition et faram.

= Iy me want to add a new parameter in
the input for a API

ii) Nou mandatory parameters.

=> for input parame as mell me can made D70's.

CreateTicket	
ResponseDTO CreateTicket (CreateTicket Reguest DTO	dto){
	•
<u>3</u>	
# CreateTilled Regrest DTO &	
Gate gate	
Gate gate Vehicle vehicle	
<u>3</u>	
NOTE: In Controllers, for Input output	well
use DTO's.	
11). U.C. Den	