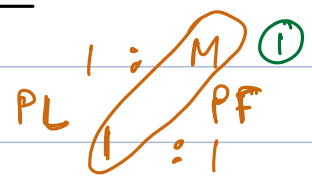
mermaid

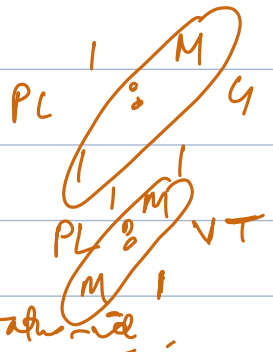
Agenda

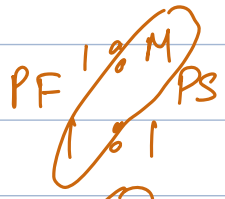
- Schema design
- code Models
- DTO

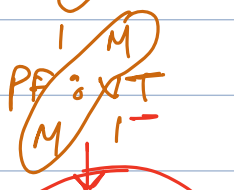
schema design



① classes → Tables.







lookup table

parking_lots

id	address	name

parking_floors

id	floor_number	parking_lot_id	parking_floor_status_id

PS : V

parking_slots

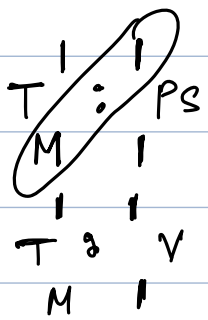
id	slot_number	parking_floor_id

gates

id	gate_number	parking_lot_id

vehicles

id	number	owner_name



tickets

id	entry_time	parking_slot_id	vehicle_id

int
string
long
double
:

Floor → ref^n
slotId

operators

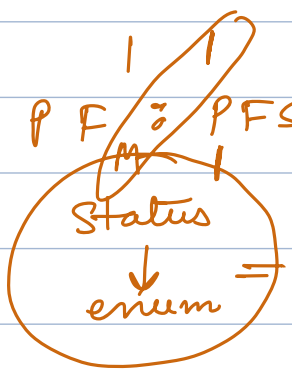
id	name

bills

id	exit_time	amount	duration

payments

id	amount	time	ref_number

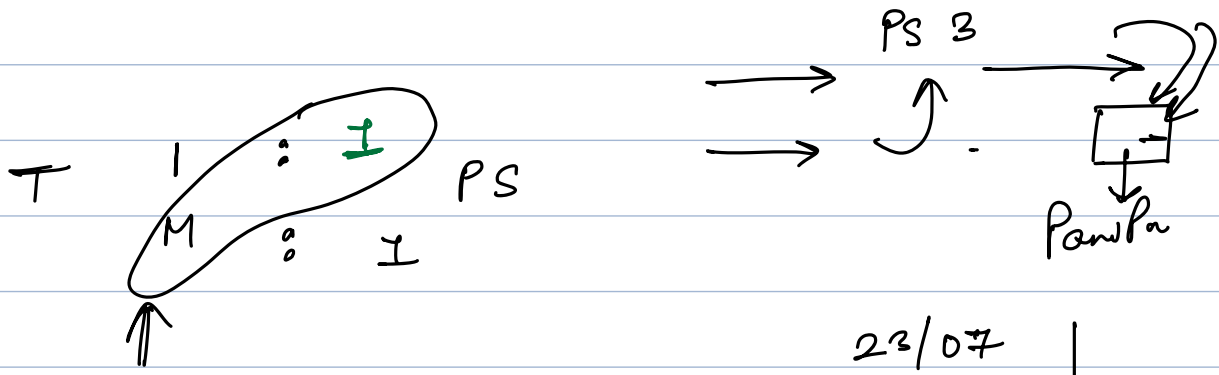


vehicle_type

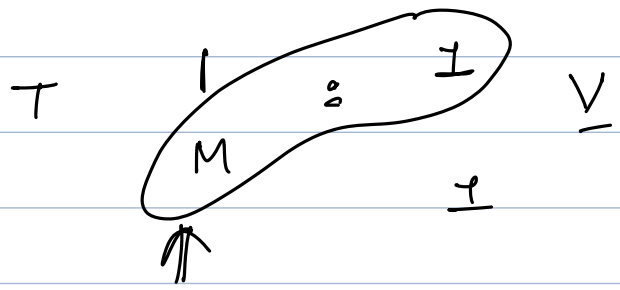
id	value

parking_lot_vehicle_types

parking_lot_id	vehicle_type_id	capacity



23/07
24/07
25/07

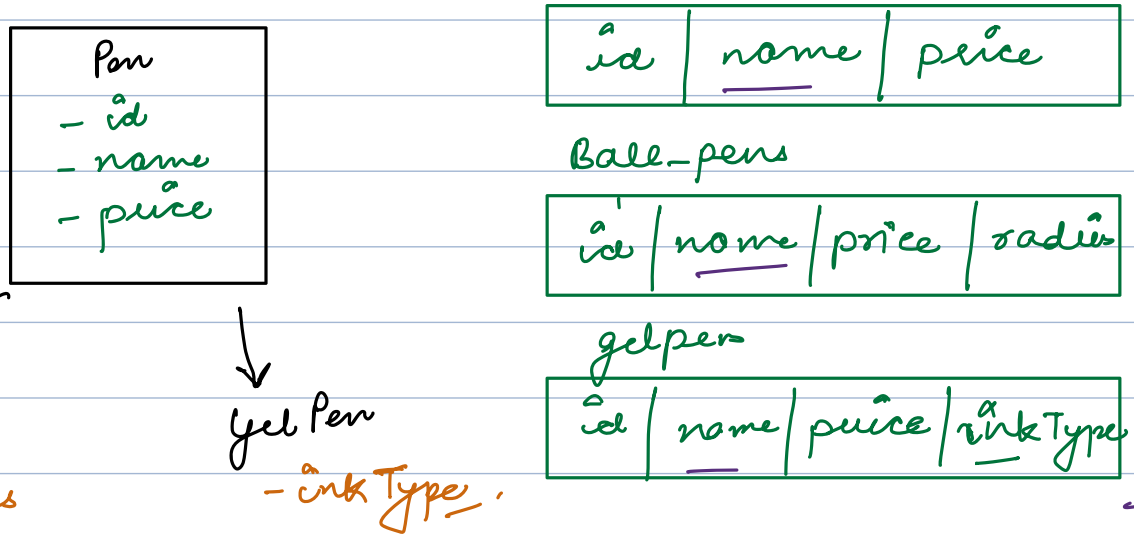


HW: complete schema design

Mapping :- Association

Inheritance

(I)



get the name of all pens

↳ query 3 tables and take a union.

II

Pens

id	name	price	radius	inkType	pen-type

↓

{ too many null values
sparse

III

Pens

id	name	price	Pen-type

ball-pens

id	pen-id	radius

gel-pens

id	pen-id	ink_Type

{ one table for common attributes, and specific tables for specific attributes. }

HW 2 : code models . : 15 min – 20 min]

Break : 10:05 pm