MANAGER(manager-id, manager_name),

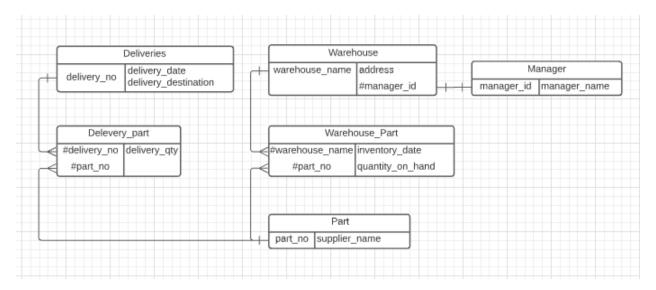
WAREHOUSE(warehouse-name, warehouse-address, manager-id#),

WAREHOUSE_DETAIL(warehouse-name#, part-no#, qty-on-hand, inventory-date),

PART(part-no, supplier-name),

DELIVERY_DETAIL(part-no#, delivery-no#, delivery-qty)

DELIVERY(delivery-no, delivery-date, delivery_destination)



I asked for an UML diagram. Here, it's not even a Chen diagram, as the multiplicities (cardinalities) are missing, and neither UML nor Chen diagrams mention foreign keys... At the exam, this would result in MINUS points.

2.

Author(author id, first_name,Last_name)

R2(#Title Id,#author id)

Titles(<u>Title id</u>, name, Domain_Id)

Domain(<u>Domain id</u>, name)

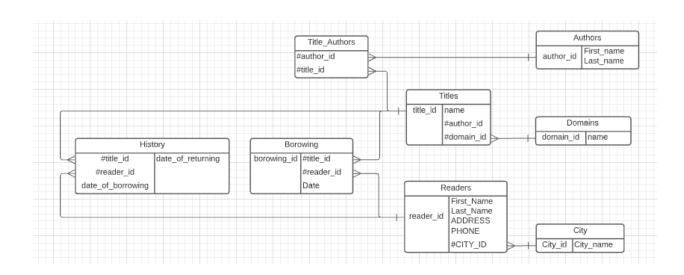
reader(reader id, first_name, last_name, address, city_id, phone)

city(city_id, city_name)

borrowing(borrow id, #reader_id, #title_id, date)

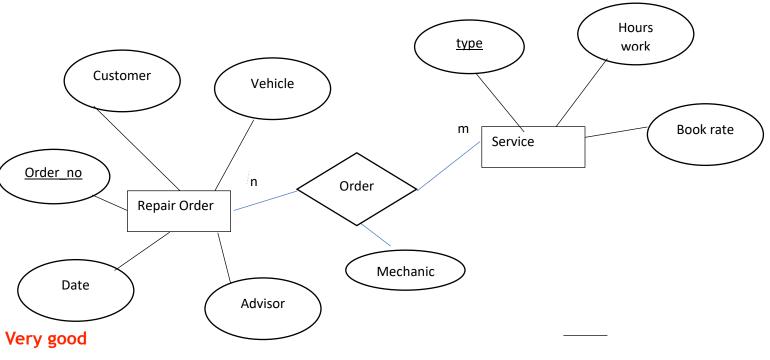
History(#borrow id, data of borrowing, date_of_returning)

OK, you should just rename R2 for some more readable name.



You should use Chen or UML notations (show cardinalities and don't show FKs). Otherwise, at the exam, this would result in MINUS points. Also, you did not finish exercise 2!!!

Exercise 3:



2.

Repair_Order(order_no,customer, vehicle, advisor, date)

Service(type, hour_work, book_rate)

Order(order no#, service #, mechanic)

Very good

2

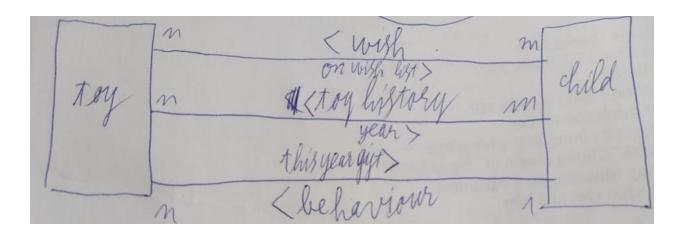
Repair_Order(order_no, vehicle#, advisor, date)

Motorbike(vehicle, customer)

Service(type, hour_work, book_rate)

Order(order no# , service #, mechanic)

OK I see, here you decompose according to the transitive dependency vehicle -> customer. If this is the way it works in Vietnam (each vehicle belongs to at most 1 customer), then it is clever! (in Ferance it's different; multiple people can co-own a vehicle).



CHILD (child id, name, address, birthday)
WISH(child id#, toy id#)
HISTORY(child id#, toy id#, year)
THIS_YEAR(child id#, toy id#, behavior)
TOY(toy id, toy_model)

Multiple problems here:

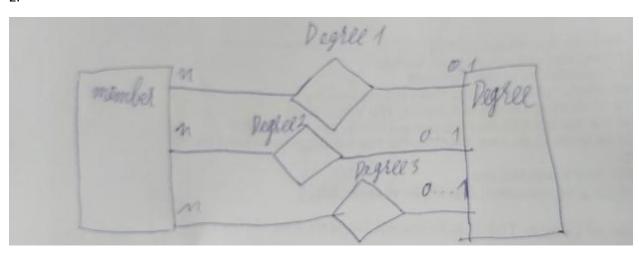
one I propose, both are correct.

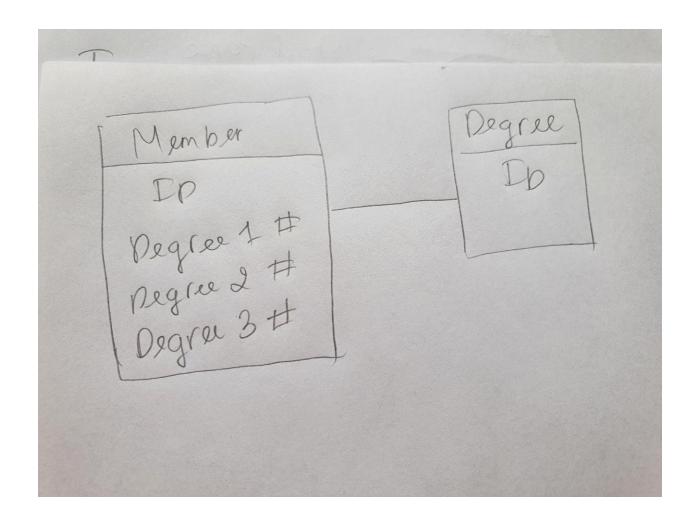
- this year, the child might have multiple gifts (cardinality m, not 1)
- if this is the case, then there is redundancy because behaviour is repeated multiple times => have a look at Group 5's solution, and the

Exercise 5:

1. Drawback: Redundant, hard to control, handle

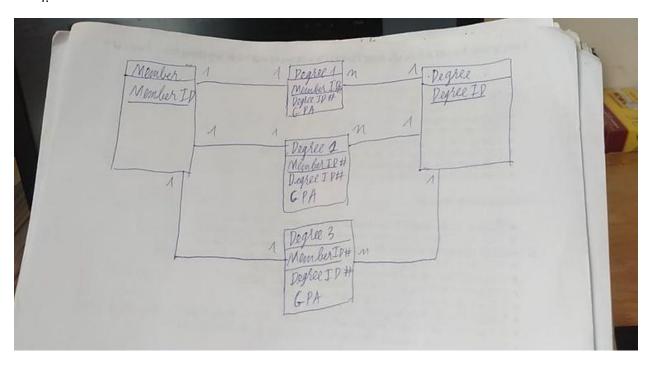
2.





3. The later one is better.

You did not really reply to exercise 5. See the correction from Group 2



5.

MEMBER(member_id,facFIrstName, facLastName)

DEGREE1(member_id#, degree_id#, GPA)

DEGREE2(member_id#, degree_id#, GPA)

DEGREE3(member_id#, degree_id#, GPA)

DEGREE(<u>degree id</u>, level, year, major, university)