AL TAYER MOTORS

We have to keep a database (class) of customers where we can create a customer by getting the information from their (name, telephone, id, ...).

We also have to have a database (class) of cars available in the store (Make, Brand, mileage, color, price, type, warrantyTime ...)

Add a the database (class) of the employes who can sell the cars to customers (name, id)

Have also another class for the SALE of the car including (customerId, salesPersonId, carId, amount, date) where I can see to generate a receipt for the user

Have another class container salesperson commissions during the whole time sales (salesPersonId, salesArrayIds) where I can use to see how much a salesperson have earned

Milestone 1:

Create the Class Diagram to have the visual solution before you start to code.

Create a menu in the console with all these requirements and make options to allow the user create every entity (Cars, Employees, Sale, Customers, etc) and I can sell a car and see commissions in the console output and also employees list, cars, and customers.

Beware of the SuperClasses expected: PERSONA, VEHICLE.

Milestone 2:

Create a visual env so I can update and see this information in a more user friendly way

Reward: Velvet Ice Cream or Makeup item

Milestone 3:

Create JSON files with the information of all the entities so I do not have to fill the information again every time the program runs

Reward: Breakfast in a cheap but nice restaurant

Milestone 4:

Create a MySQL database with Diagram Class where the previous info is store but also I can update it if I have the MANAGER role

Reward: 1 hour massage with happy ending

Milestone 5:

Create a backend web server with the previous system and a front end website where I can consume the info and show in a more friendly way with a good design in HTML, CSS, Javascript.

Reward: 1-NIght 2-days in a resort in any northern emirate

Acceptance Criteria.

1. In every milestone the program has to run smoothly without any error or runtime sudden stop
2. Before the milestone 1, the Class Diagram has to be approved (You can use any tool)
3. Every Milestone has to be approved and signed to earn the reward
4. Code var, functions, classes declarations has to be in English with the best practices in JAVA

Conditions:

1. I am not a friend/husband in this project
2. I can help only as a mentor (mention where (probably) you can find the info)
3. 2 months deadline for the whole project with milestone 5 completed

Suggestions

1. Pray to your god: Jesus Christ, Holy Virgin, Mohammed , Ala, etc
2. use ChatGPT
3. use google.
4. Enjoy the process
5. Have fun
6. make pauses and change the context to learn another thing every other hour
7. Join the community on discord or any other website to have someone who can help.

Happy Engineering!