DBMS ABSTRACT

AUTOMOBILE COMPANY

GROUP 9

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1. Project Details

In this project, we will create a Database for an Automobile company to assist its dealers in maintaining customer records and dealer inventory. Each vehicle is identified by a vehicle identification number (VIN). Each vehicle is a particular model of a particular brand offered by the company. (For example, XF is a model of the car brand Jaguar of Tata Motors). Each model can be offered a variety of options, but an individual car may have only some of the available options. The database needs to store information about models, brands, and options as well as information about individual dealers, customers, and cars.

2. Project's Objective

The objective of this project is to apply all the lessons practically learned in the DBMS class and get hands-on experience with the Postgres database. We will make sure to implement all different types of Queries in this

project which we learned in class. We will make sure we all will work equally and contribute equally without breaking our teamwork.

3. Project Requirements

- ➔ First, we need a database to implement our project, so we will be using Postgres SQL.
- ➔ Then we need the help of the internet to research the vehicle identification number (VIN). Create some random VIN and implement the data in our database.
- ➔ Now we will use all the queries that we learned in the class and use them to filter data. Ex. brands of cars as filtering criteria.
- ➔ At last, we use some presentation tools to create a ppt or an equivalent soft copy to comprehend what we have done. It will have some photos to show how our project works and will also have all the queries about our project.

4. Project Results

With this project, we will be able to understand how a real-time database works and how to implement queries with a huge amount of data and many multiple criteria. We will get hands-on experience in creating many tables and using the keys properly. This will help us to code real-time SQL queries.