CAR SHOWROOM MANAGEMENT STSTEM

Objective

Manage car showroom operations using an SQL database.

Track cars, customers, sales, and inventory efficiently.

PROJECT OVERVIEW

* Purpose:

To create an SQL-based system that streamlines car showroom operations, including inventory, sales, and customer management.

* Key Features:

Manage car stock, register customers, record sales, and track supplier details efficiently.

* Core Workflows:

Add cars to inventory, handle customer purchases, update stock, and generate sales and inventory reports.

Workflows

* Add Car to Inventory:

Store car details and update stock levels.

* Register Customer:

Add new customer information.

* Record Sale:

Save transaction details and adjust stock.

* Generate Reports:

View sales data, customer purchases, and inventory status.

TABLES

1.CAR\_CUSTOMERS:

Customer\_id(pk),first\_name,last\_name,email,

address,registration\_date.

2.CARBRANDS:

Brand\_id(pk),brand\_name.

3.CARMODELS:

Model\_id(pk),brand\_id(fk),model\_name,

Price,customer\_id(fk).

4.CARS:

Car\_id(pk),model\_id(fk),color,

Stock\_quantity.

5.STAFF:

Staff\_id(pk),first\_name,last\_name,

Rolles,hire\_date.

6.SALES:

Sale\_id(pk),car\_id(fk),customer\_id(fk),

Staff\_id(fk),sale\_date,sale\_price.

Key Features

* Car Inventory Management: Track available cars and their stock levels.
* Customer Management: Maintain customer registration details.
* Sales Tracking: Record and analyze car sales.
* Supplier Management: Monitor suppliers and car restocking.

Implementation Plan:

Database creation:

Use Orace SQL to create and populate tables.

Query Testing:

Develop and execute basic and advanced queries (joins, Group by,

subqueries, Analytical function, Set operator).

Reports:

Generate inventory and sales summaries.