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Car Dealership

Outline Of the Proposal:

The objective for this dealership is to have a fully functional database and website that is easy for the user to use and browse our inventory that we have to offer. The erm diagram will consist of different entities which are the customer, invoice, products, shopping basket and admin. The database will be able to add new customers, products and invoices and will also be able to save their details and edit them in case their details change. The main objective for this dealership is to have a fully functioning website and a relational database which will consists of a product table, customer table, invoice table, shopping cart table and an admin table. The admin will be able to change customers details and products details through the database as the admin will have full access. The website will be able to extract Information from the relational database and use complex sql queries to portray the data onto the website. The system will also be very secure as I will be using a concept called encapsulation which is used to secure data so unauthorised users can not gain access. The main features of the system will be to add products to the basket, create and sign into your account and to be able to successfully purchase the user's selected items. Also, once the customer logs in it will show the customer their active orders and the previous orders along with their invoices.

Objectives:

- The program will have a relational database
- The database will consist of different tables and attributes and the primary keys will be the ID of each table.
- Customer can login
- Customer can create an account
- User can add items to basket
- User can Purchase items and browse items
- Use complex SQL queries to extract data from multiple tables and use php to portray the data onto the website
- Admin can login and change details of customers and products

The customer entity will contain these attributes (**CustomerID**, Name, Date of Birth, Postcode, Address,Country, Email address).

Product Entity (**Product ID**, Car Make, Car model, Car Year, Car Color, Price).

Order Entity (**Invoice ID**, CustomerID , ProductID,Date,CardNumber, ExpiringDate,NameOnCard,CVC).

Shopping Cart Entity (**CartID**,ProductID , CustomerID, Products ,total price, date).

Admin Entity **(AdminID**, Name,Address, PostCode, Country, Email).

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