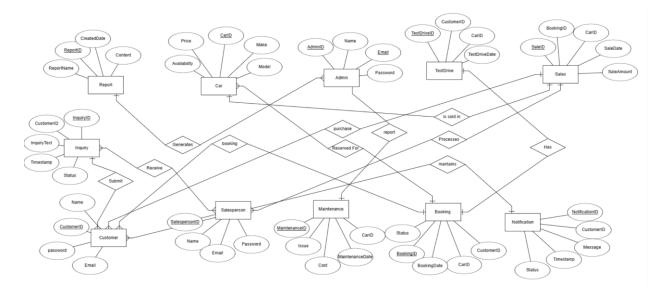
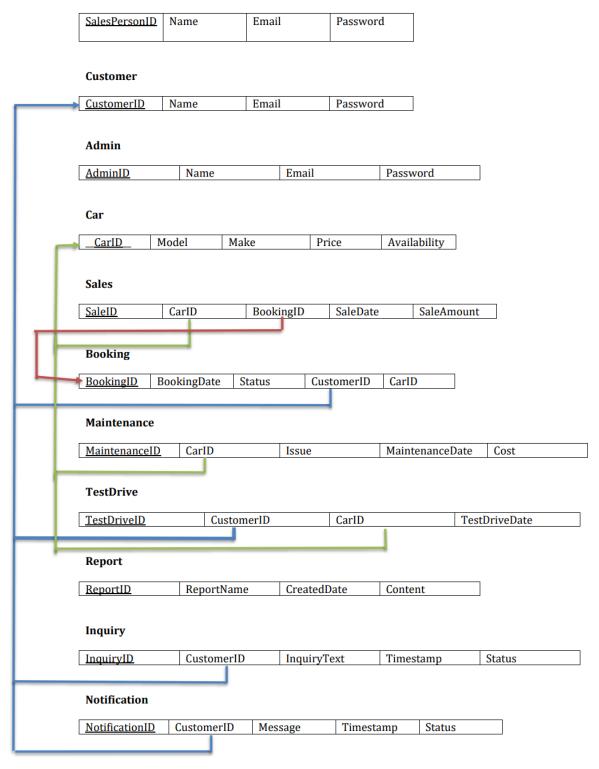
# Milestone 2

# ERD



### Relational Database Schema

### Salesperson



## **SQL Queries and Requirement-Query Matrix**

### **SQL** Queries

```
Insert Data
QUR_001: Insert a New Customer
INSERT INTO Customer (Name, Email, Password)
VALUES ('John Doe', 'johndoe@example.com', 'password123');
QUR_002: Insert a New Car
INSERT INTO Car (Model, Make, Price, Availability)
VALUES ('Camry', 'Toyota', 25000, 1);
QUR_003: Insert a New Booking
INSERT INTO Booking (CustomerID, CarID, BookingDate, Status)
VALUES (1, 1, NOW(), 'Pending');
Update Data
QUR_004: Update Car Price
UPDATE Car
SET Price = 26000
WHERE CarID = 1;
QUR_005: Update Booking Status
UPDATE Booking
SET Status = 'Approved'
WHERE BookingID = 1;
Delete Data
QUR_006: Delete a Customer Record
DELETE FROM Customer
WHERE CustomerID = 1;
QUR_007: Delete a Car from Inventory
DELETE FROM Car
WHERE CarID = 1;
```

```
Select Queries
```

QUR\_008: Retrieve All Available Cars

SELECT \*

FROM Car

WHERE Availability = 1;

QUR\_009: Retrieve Bookings and Related Customer Details

SELECT b.BookingID, c.Name AS CustomerName, car.Model AS CarModel, b.Status

FROM Booking b

JOIN Customer c ON b.CustomerID = c.CustomerID

JOIN Car car ON b.CarID = car.CarID;

QUR\_010: Retrieve Total Sales by Model

SELECT car.Model, COUNT(s.SaleID) AS TotalSales, SUM(s.SaleAmount) AS TotalRevenue

FROM Sales s

JOIN Car car ON s.CarID = car.CarID

GROUP BY car.Model;

QUR\_011: Retrieve All Test Drives for a Specific Customer

SELECT td.TestDriveID, car.Model, td.TestDriveDate, td.Status

FROM TestDrive td

JOIN Car car ON td.CarID = car.CarID

WHERE td.CustomerID = 1;

QUR\_012: Retrieve Cars Within a Specific Price Range

SELECT \*

FROM Car

WHERE Price BETWEEN 15000 AND 30000;

QUR\_013: Retrieve Unresolved Customer Inquiries

SELECT i.InquiryID, c.Name AS CustomerName, i.InquiryText, i.Timestamp

FROM Inquiry i

JOIN Customer c ON i.CustomerID = c.CustomerID

WHERE i.Status = 'New';