
NED UNIVERSITY OF ENGINEERING AND TECHNOLOGY



DATABASE MANAGEMENT SYSTEM

REPORT

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1.INTRODUCTION

CAR RENTAL SYSTEM

Car Rental System is a car rental company that provides rental services to customers in various locations. The company has a fleet of cars that are categorized based on their make, model, and features. Customers can make reservations for cars, which are then picked up at a rental location. Rental agreements are made with customers and include details such as rental dates, rental location, and payment information. The company also provides additional features, such as GPS and car seats, for an additional fee.

CAR RENTAL PROCESS:

1. Reservation:

The rental process begins when a customer decides to rent a car. The customer can make a reservation online or by phone, specifying the pickup location, pickup date and time, and return date and time. The reservation system checks for availability of the requested car and confirms the reservation if the car is available. If the requested car is not available, the system suggests alternative cars that meet the customer's needs.

2. Pickup:

On the day of pickup, the customer goes to the designated rental location and presents a valid driver's license and a credit card for payment. The rental agent verifies the customer's information, checks for any additional features requested, and provides the customer with the car keys and a rental agreement.

3. Rental Agreement:

The rental agreement includes details such as the rental period, rental location, car model and make, rental rate, payment information, and any additional features requested. The customer reviews and signs the agreement, and the rental agent provides a copy of the agreement to the customer.

4.Car inspection:

Before leaving the rental location, the customer and the rental agent inspect the car for any pre-existing damage or issues. Any damage found is noted on the rental agreement, and the customer is advised to report any new damage during the rental period.

5.Rental Period:

During the rental period, the customer is responsible for the car and any additional features rented. The customer must follow the rental agreement terms, including the mileage limit and fuel requirements. The customer can extend the rental period if needed, subject to availability and additional fees.

6. Return:

At the end of the rental period, the customer returns the car to the designated rental location. The rental agent inspects the car for any new damage or issues and checks the fuel level and mileage. If there is no new damage and the fuel level and mileage meet the rental agreement terms, the rental agent closes out the rental agreement and provides the customer with a receipt.

4. Payment:

The customer's credit card is charged for the rental rate, any additional features rented, and any fees or charges incurred during the rental period. The customer can dispute any charges that are not in accordance with the rental agreement terms



2.PROBLEM OF ORGANIZATION

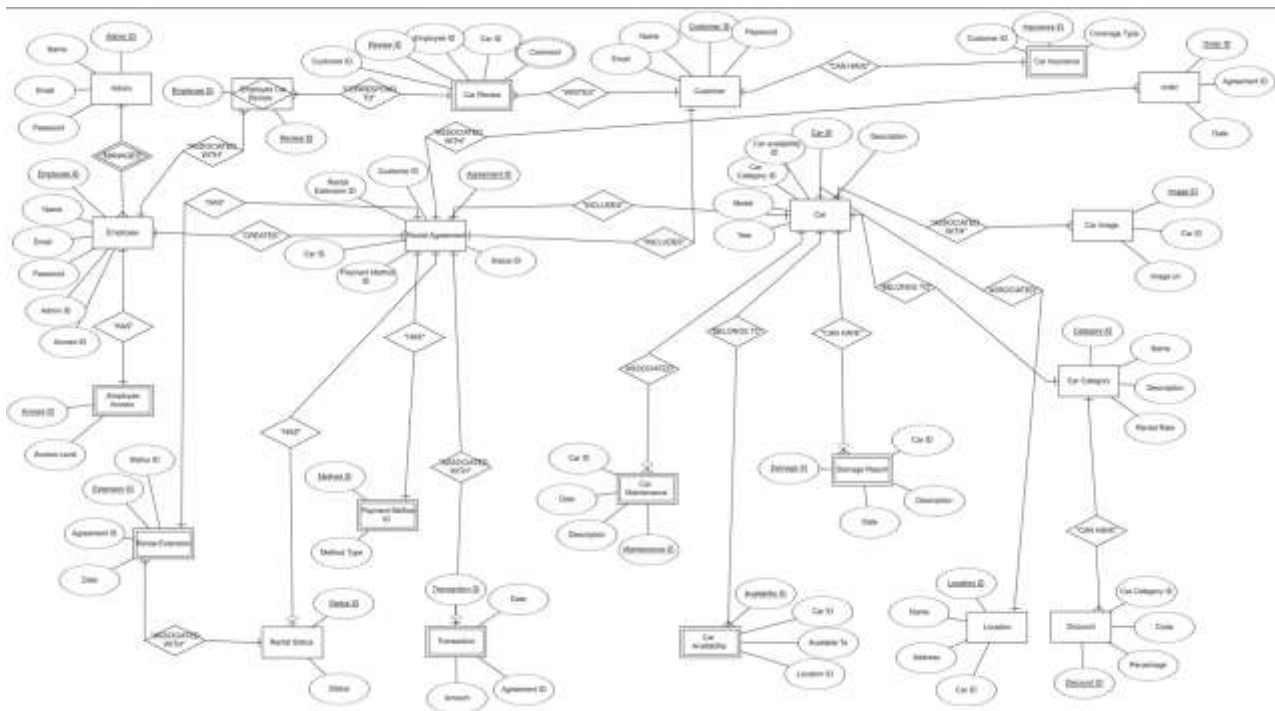
PROBLEM: MANUAL BOOKING PROCESS:

The manual booking process in a car rental system is time-consuming, error-prone, and limits access to booking services. It involves manual data entry, paper-based forms, and phone calls, leading to inefficiencies and potential mistakes in bookings.

SOLUTION: AUTOMATED BOOKING SYSTEM:

- Our car rental system overcomes the problem of manual booking by implementing an automated booking system.
- The automated booking system allows customers to make reservations conveniently online or through a user-friendly mobile application.
- The system provides real-time information on vehicle availability, allowing customers to select from a wide range of options and secure their bookings instantly.
- With an automated booking system, customers can make bookings 24/7, eliminating the limitations of office hours and specific booking locations.
- The system streamlines the reservation process by automating confirmation emails or notifications, reducing the risk of missed bookings or miscommunication.
- It enables customers to easily modify or cancel their reservations online, providing flexibility and convenience.
- The automated booking system also integrates secure online payment processing, allowing customers to make payments electronically, eliminating the need for manual payment handling.
- By implementing an automated booking system, our car rental system improves efficiency, accuracy, and customer convenience, enhancing the overall booking experience for both customers and the car rental company.

3.ERD DIAGRAM



This is an ERD (Entity-Relationship Diagram) of a car rental system that consists of 20 entities. The entities in the ERD are:

- | | |
|---------------------|---------------------|
| 1. Admin | 13.Rental Status |
| 2. Employee | 14.Rental Extension |
| 3. Employee Access | 15.Location |
| 4. Car Review | 16.Payment Method |
| 5. Rental Agreement | 17.Insurance |
| 6. Customer | 18.Transaction |
| 7. Order | 19.Car Image |
| 8. Car | 20.Discount |
| 9. Car Maintenance | |
| 10.Car Category | |
| 11.Damage Report | |
| 12.Car Availability | |

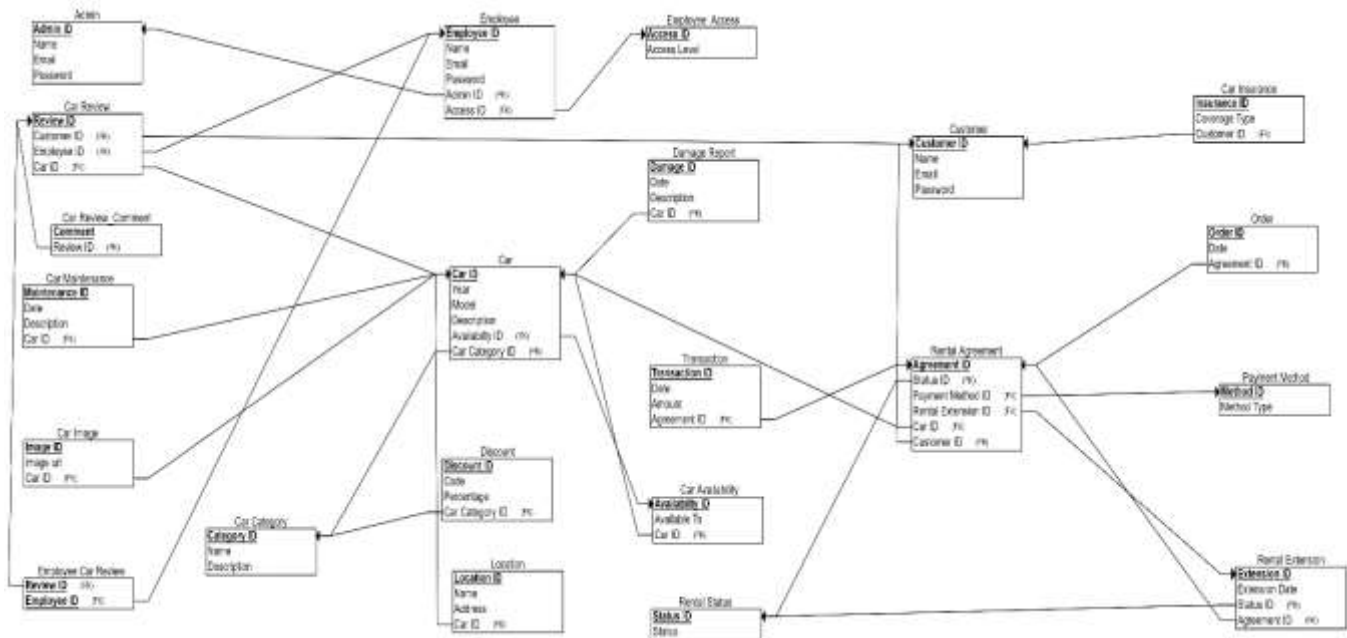
These entities and their relationships form the foundation of a car rental system, enabling the efficient management of rental bookings, customer information, car availability, payments, and overall system operations.

1. **Admin:** This entity represents an administrator who manages the car rental system. The Admin entity stores information such as the admin's name, contact details, and login credentials. Admins have access to system settings, user management, and overall system control.
2. **Employee:** The Employee entity represents an employee working for the car rental company. This entity stores information such as the employee's name, contact details, and login credentials. Employees are responsible for various tasks within the car rental system
3. **Employee Access:** The Employee Access entity represents the access level and permissions assigned to each employee within the system. This entity determines the level of functionality and tasks that an employee can perform.
4. **Customer:** The Customer entity represents a person who wants to rent a car. This entity stores information such as the customer's name, contact details, and driver's license information. Customers interact with the system to make bookings, view rental details, and manage their rental agreements.
5. **Car Review:** The Car Review entity stores customer reviews or feedback about a specific rental car. It includes information such as the review comments, associated employee and customer IDs, and the car being reviewed. Car reviews provide valuable insights for the company.
6. **Rental Agreement:** The Rental Agreement entity represents an agreement between the customer and the car rental company for the rental of a specific car. This entity stores information such as the rental price, rental location, insurance policy selected, and any reported damages. Rental agreements outline the terms and conditions of the rental, including payment details and responsibilities of both the customer and the rental company.
7. **Order:** The Order entity represents the order made by the customer for a specific car. It includes information such as the order date, rental rate, and rental location. Orders help track the specific details of each rental request.\

8. **Car:** The Car entity represents a vehicle that can be rented by a customer. It stores information such as the car's make, model, year, color, and registration number. Car details help customers choose the desired vehicle and allow the rental company to manage its fleet effectively.
9. **Car maintenance:** The Car Maintenance entity stores maintenance records of each car in the rental fleet. It includes information such as maintenance dates, descriptions of performed tasks, and associated costs. Car maintenance records help ensure that the vehicles are in optimal condition
10. **Car Category:** The Car Category entity represents a group of cars with similar characteristics. It stores information such as the category name and description. Car categories help organize and categorize the rental vehicles based on factors such as size, type, or features, making it easier for customers to find the most suitable option.
11. **Damage Report:** The Damage Report entity represents any reported damages during the rental period. It includes information such as the repair cost and agreement details. Damage reports help track and document any damages incurred by the rental vehicles, facilitating the necessary repairs and insurance claims.
12. **Car Availability:** The Car Availability entity represents the availability status of each car. It tracks the dates when a car is available for rental and when it is already booked or undergoing maintenance. Car availability status helps customers and employees check if a specific vehicle is available for their desired rental period.
13. **Rental Status:** The Rental Status entity represents the status of a rental agreement, such as "Reserved," "In Progress," or "Completed." It helps track the progress and current state of each rental agreement, ensuring smooth coordination between customers, employees, and the availability of rental vehicles.
14. **Rental Extension:** The Rental Extension entity represents the extension requests for rental agreements. It includes information about the extension dates, status, and associated agreement details.
15. **Location:** The Location entity represents the rental locations where customers can pick up and return their rented cars. It stores information such as the location name, address, and contact details.

- 16.**Payment Method:** The Payment Method entity represents the method used by the customer to pay for the rental. It stores information such as the payment method name, type, and account details. Payment methods can include credit/debit cards, cash, or other electronic payment options.
- 17.**Insurance:** The Insurance entity represents the insurance policies selected for the rented cars. It stores information such as the insurance policy ID and coverage details. Insurance policies provide protection and coverage in case of accidents, damages, or theft during the rental period.
- 18.**Transaction:** The Transaction entity represents the record of the payment made for the rental agreement. It includes information such as the transaction amount and date. Transactions help track and reconcile the financial aspects of each rental agreement.
- 19.**Car Image:** The Car Image entity represents images associated with each car in the rental fleet. It stores information such as image URLs or references to visual representations of the cars. Car images provide visual representation to customers, allowing them to have a better understanding of the available vehicles.
- 20.**Discount:** The Discount entity represents any available discounts or promotional codes that can be applied to rental agreements. It stores information such as the discount code, percentage, and associated car category.

RELATIONAL SCHEMA



4. FOREIGN KEYS:

Here are entities and their corresponding foreign keys :

- | | |
|--|--|
| 1. Admin: No foreign keys. | 11.Damage Report: |
| 2. Employee: | <ul style="list-style-type: none"> • CarID (FK) • |
| <ul style="list-style-type: none"> • Admin ID (FK) | 12.Car Availability: |
| 3. Employee Access: | <ul style="list-style-type: none"> • CarID (FK) |
| <ul style="list-style-type: none"> • EmployeeID (FK) | 13.Rental Status: No foreign keys. |
| 4. Car Review: | 14.Rental Extension: |
| <ul style="list-style-type: none"> • EmployeeID (FK) • CustomerID (FK) • CarID (FK) | <ul style="list-style-type: none"> • AgreementID (FK) • Status ID (FK) |
| 5. Rental Agreement: | 15.Location: |
| <ul style="list-style-type: none"> • CustomerID (FK) • CarID (FK) • PaymentMethodID (FK) • StatusID (FK) • RentalExtensionID (FK) | <ul style="list-style-type: none"> • Category ID (FK) |
| 6. Customer: No foreign keys. | 16.Payment Method: |
| 7. Order: | <ul style="list-style-type: none"> • No foreign keys. |
| <ul style="list-style-type: none"> • CustomerID (FK) • CarID (FK) | 17.Insurance: |
| 8. Car: | <ul style="list-style-type: none"> • CustomerID (FK) |
| <ul style="list-style-type: none"> • CarCategoryID (FK) • CarAvailabilityID (FK) | 18.Transaction: |
| 9. Car Maintenance: | <ul style="list-style-type: none"> • AgreementID (FK) |
| <ul style="list-style-type: none"> • CarID (FK) | 19.Car Image: |
| 10.Car Category: No foreign keys. | <ul style="list-style-type: none"> • Car ID (FK) |
| | 20.Discount: |
| | <ul style="list-style-type: none"> • Car Category ID (FK) |

4.1 Entity and referential integrity rules

Entity and referential integrity rules play a crucial role in maintaining the consistency and reliability of the data in a database. Let's explore how these rules apply to the relations in the given schema:

1. Entity Integrity:

Entity integrity ensures that each entity in a table has a unique identifier, known as the primary key (PK), which uniquely identifies each record in the table. In the given schema, each entity has a primary key attribute that uniquely identifies its records. For example, the admin entity has the AdminID as its primary key.

2. Referential Integrity:

Referential integrity ensures that relationships between entities are maintained consistently. It is enforced with foreign keys (FK) that establish relationships between tables. Here are some examples of how referential integrity applies in the given schema:

a. Foreign Keys:

The foreign keys in the schema establish relationships between entities. For instance, the Employee entity has the Admin ID as a foreign key, which establishes a relationship between an employee and the admin they are associated with.

b. Parent-Child Relationships:

Referential integrity ensures that when a record in a parent table is modified or deleted, related records in child tables are handled appropriately. For example, in the Car Review entity, the EmployeeID, CustomerID, and CarID are foreign keys referencing the Employee, Customer, and Car entities, respectively. If an employee, customer, or car is modified or deleted, the corresponding car reviews will be affected accordingly.

c. Cascading Deletion:

Cascading deletion is a referential integrity action that automatically deletes related records in child tables when a record in the parent table is deleted. For example, in the Rental Agreement entity, the RentalExtensionID is a foreign key referencing the Rental Extension entity. If a rental extension is deleted, the corresponding rental agreements will also be deleted.

By enforcing entity and referential integrity rules, the database system ensures that data relationships are maintained accurately and consistently, preventing inconsistencies, data anomalies, and integrity violations.

4.2 GENERAL CONSTRAINTS

- **TRANSACTION:**

```
ALTER TABLE TRANSACTION ADD CONSTRAINT ck_transaction_date
CHECK (" TRANSACTION _DATE" > TO_DATE (' 2022/12/31', 'YYYY/MM/DD' ) );
ALTER TABLE TRANSACTION ADD CONSTRAINT ck_amount CHECK (AMOUNT > 0.00);
```

- **PAYMENT METHOD:**

```
ALTER TABLE PAYMENT_METHOD ADD CONSTRAINT ck_method_type CHECK (METHOD_TYPE IN
('CREDIT CARD ', 'DEBIT CARD ', 'CASH ', 'BANK TRANSFER ', ' CHEQUE '));
```

- **CAR REVIEW:**

```
ALTER TABLE CAR_REVIEW ADD CONSTRAINT ck_comment_length CHECK (LENGTH (COMMENT
<= 4000);
```

- **RENTAL STATUS:**

```
ALTER TABLE RENTAL_STATUS ADD CONSTRAINT ck_status CHECK (STATUS IN
('AVAILABLE', 'RENTED', 'RESERVED', 'MAINTENANCE'));
```

- **CAR AVAILABILITY:**

```
ALTER TABLE CAR_AVAILABILITY ADD CONSTRAINT ck_available_to
CHECK (" AVAILABLE_TO " > TO_DATE (' 2022-12-31', 'YYYY-MM-DD' ) );
```

- **DAMAGE REPORT:**

```
ALTER TABLE DAMAGE_REPORT ADD CONSTRAINT ck_description_length
CHECK (LENGTH(DESCRIPTION) <= 4000);
```

```
ALTER TABLE DAMAGE_REPORT ADD CONSTRAINT ck_damage_report_date CHECK
("DAMAGE_REPORT_DATE" > TO_DATE ('2022-12-31', 'YYYY-MM-DD'));
```

- **ADMIN:**

```
ALTER TABLE ADMIN ADD CONSTRAINT ck_name CHECK (NAME <> "");
ALTER TABLE ADMIN ADD CONSTRAINT ck_password_length CHECK (LENGTH(PASSWORD) >= 5);
ALTER TABLE ADMIN ADD CONSTRAINT ck_email_length CHECK (LENGTH(EMAIL) < 50);
```

- **CUSTOMER:**

```
ALTER TABLE CUSTOMER ADD CONSTRAINT ck_name CHECK(NAME <> "");
ALTER TABLE CUSTOMER ADD CONSTRAINT ck_email_length CHECK (LENGTH(EMAIL) <= 50);
ALTER TABLE CUSTOMER ADD CONSTRAINT ck_password_length CHECK (LENGTH(PASSWORD)
>=5);
```

- **EMPLOYEE:**

```
ALTER TABLE EMPLOYEE ADD CONSTRAINT ck_name CHECK (NAME <> "");
ALTER TABLE EMPLOYEE ADD CONSTRAINT ck_email_length CHECK (LENGTH(EMAIL) <100);
ALTER TABLE EMPLOYEE ADD CONSTRAINT ck_password_length CHECK (LENGTH(PASSWORD)
>=5);
```

- **EMPLOYEE ACCESS:**

```
ALTER TABLE EMPLOYEE_ACCESS ADD CONSTRAINT ck_access_level CHECK
(ACCESS_LEVEL IN ('SALES REPRESENTATIVE', 'CUSTOMER SUPPORT', 'MAINTENANCE STAFF',
'ACCOUNTING', 'MANAGER'));
```

- **RENTAL EXTENSION:**

```
ALTER TABLE RENTAL_EXTENSION ADD CONSTRAINT ck_extension_date CHECK
("EXTENSION_DATE" > TO_DATE (' 2022-12-31 ', 'YYYY-MM-DD'));
```

- **CAR INSURANCE:**

```
ALTER TABLE CAR_INSURANCE ADD CONSTRAINT ck_coverage_type CHECK (COVERAGE_TYPE IN
('Collision Damage Waiver (CDW)', 'Loss Damage Waiver (LDW)', 'Liability Insurance', 'Personal Accident
Insurance (PAI)', 'Supplemental Liability Insurance (SLI)', 'Theft Protection Coverage', 'Physical Damage
Coverage', 'Uninsured Motorist Coverage', 'Rental Reimbursement Coverage', 'Towing Coverage', 'Third Party
Liability Coverage', 'Excess Reduction Coverage', 'Breakdown Coverage', 'Windshield Damage Coverage', 'Key
Replacement Coverage', 'Tire and Rim Protection Coverage', 'Rental Vehicle Upgrade Coverage', 'Emergency
Medical Expense Coverage'));
```

- **LOCATION:**

```
ALTER TABLE LOCATION ADD CONSTRAINT ck_name CHECK (NAME <> "");
ALTER TABLE LOCATION ADD CONSTRAINT ck_address_length CHECK (LENGTH(ADDRESS) <=100);
```

- **CAR MAINTENANCE:**

```
ALTER TABLE CAR_MAINTENANCE ADD CONSTRAINT ck_maintenance_date CHECK
("MAINTENANCE_DATE" > TO_DATE('2008-01-01', 'YYYY-MM-DD') );
ALTER TABLE CAR_MAINTENANCE ADD CONSTRAINT ck_description_length
CHECK (LENGTH(DESCRIPTION) <= 4000);
```

- **CAR CATEGORY:**

```
ALTER TABLE CAR_CATEGORY ADD CONSTRAINT ck_category_name
CHECK (CATEGORY_NAME <> "");
ALTER TABLE CAR_CATEGORY ADD CONSTRAINT ck_rental_rate CHECK (RENTAL_RATE > 0);
```

```
ALTER TABLE CAR_CATEGORY ADD CONSTRAINT ck_description_length CHECK
(LENGTH(DESCRIPTION) <= 1000);
```

- **DISCOUNT:**

```
ALTER TABLE DISCOUNT ADD CONSTRAINT ck_percentage CHECK (PERCENTAGE <= 100);
ALTER TABLE DISCOUNT ADD CONSTRAINT ck_code_length CHECK (LENGTH(CODE) >= 5);
```

- **ORDER_:**

```
ALTER TABLE ORDER_ ADD CONSTRAINT ck_order_date CHECK  
("ORDER_DATE" > TO_DATE ( '2022-12-31','YYYY-MM-DD') );
```

- **CAR:**

```
ALTER TABLE CAR ADD CONSTRAINT ck_model_length CHECK (LENGTH(MODEL) <= 20);
```

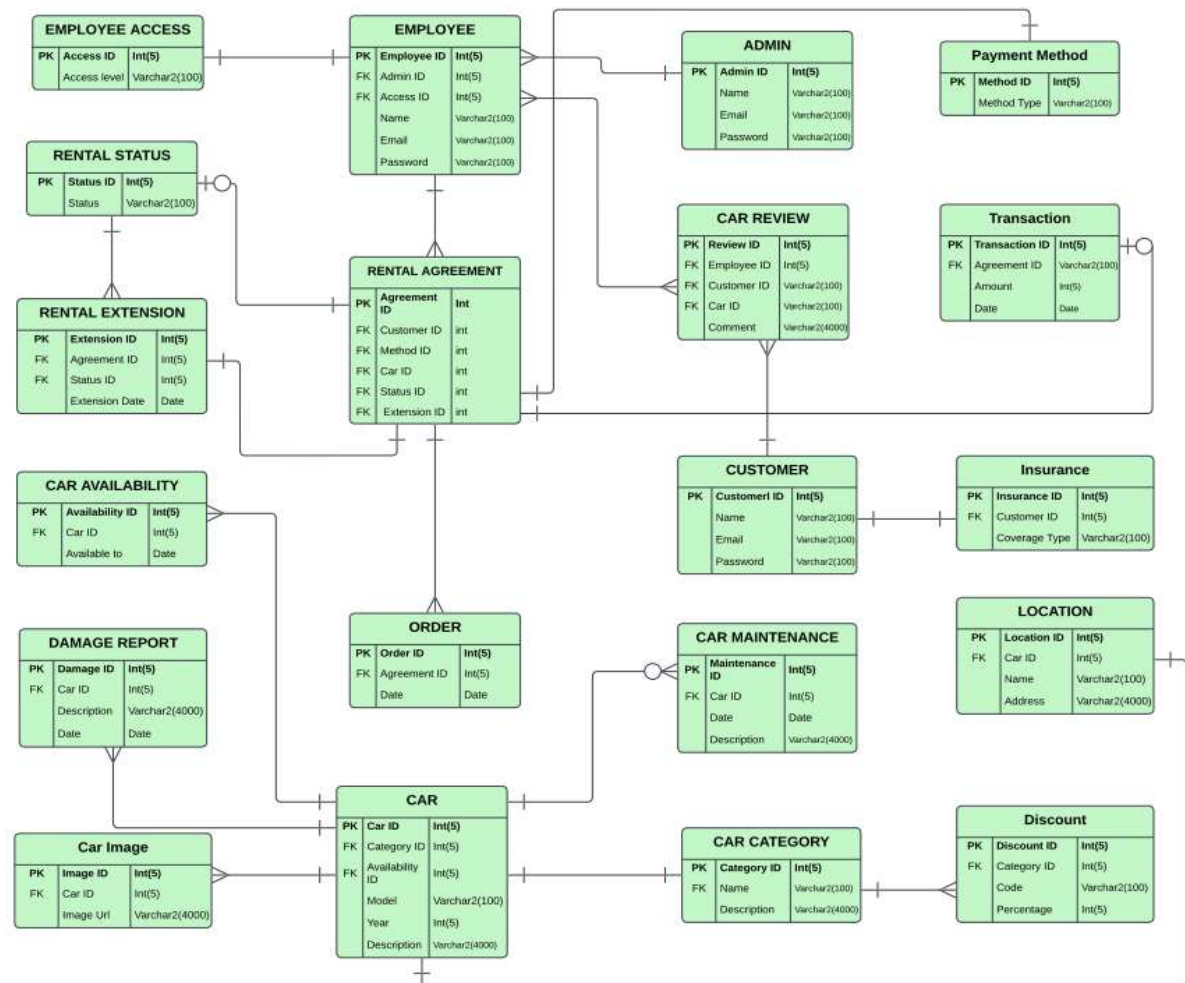
```
ALTER TABLE CAR ADD CONSTRAINT ck_year CHECK (YEAR > 2000);
```

```
ALTER TABLE CAR ADD CONSTRAINT ck_description_length CHECK  
(LENGTH(DESCRIPTION) <= 4000);
```

- **CAR IMAGE:**

```
ALTER TABLE CAR_IMAGE ADD CONSTRAINT ck_image_url_format CHECK (IMAGE_URL LIKE  
'http://%' OR IMAGE_URL LIKE 'https://%');
```


5. PHYSICAL ERD



6.CODE OF ERDPLUS

```

CREATE TABLE Admin
(
  Admin_ID INT NOT NULL,
  Name INT NOT NULL,
  Email INT NOT NULL,
  Password INT NOT NULL,
  PRIMARY KEY (Admin_ID)
);

CREATE TABLE _Employee_Access
(
  Access_ID INT NOT NULL,
  Employee_ID INT NOT NULL,
  Access_Level INT NOT NULL,
  PRIMARY KEY (Access_ID)
);

CREATE TABLE Rental_Status_
(
  Status_ID INT NOT NULL,
  Status INT NOT NULL,
  PRIMARY KEY (Status_ID)
);

CREATE TABLE __Payment_Method_ID
(
  Method_Type INT NOT NULL,
  Method_ID INT NOT NULL,
  PRIMARY KEY (Method_ID)
);

CREATE TABLE Car_Insurance
(
  Insurance_ID INT NOT NULL,
  Customer_ID INT NOT NULL,
  Coverage_Type INT NOT NULL,
  PRIMARY KEY (Insurance_ID)
);

CREATE TABLE Location
(
  Name INT NOT NULL,
  Location_ID INT NOT NULL,
  Address INT NOT NULL,
  PRIMARY KEY (Location_ID)
);

CREATE TABLE Employee
(
  Employee_ID INT NOT NULL,
  Name INT NOT NULL,
  Email INT NOT NULL,
  Password INT NOT NULL,
  Admin_ID INT NOT NULL,
  Access_ID INT NOT NULL,
  PRIMARY KEY (Employee_ID),
  FOREIGN KEY (Admin_ID) REFERENCES
Admin(Admin_ID),
  FOREIGN KEY (Access_ID) REFERENCES
_Employee_Access(Access_ID)
);

CREATE TABLE Rental_Extension
(
  Extension_ID INT NOT NULL,
  Agreement_ID INT NOT NULL,
  Date INT NOT NULL,
  Status_ID INT NOT NULL,
  PRIMARY KEY (Extension_ID),
  FOREIGN KEY (Status_ID) REFERENCES
Rental_Status_(Status_ID)
);

CREATE TABLE Rental_Agreement
(
  Customer_ID INT NOT NULL,
  __Payment_Method_ID INT NOT NULL,
  Rental_Status INT NOT NULL,
  Agreement_ID INT NOT NULL,
  Car_ID INT NOT NULL,
  __Rental_Extension_ID INT NOT NULL,
  Method_ID INT NOT NULL,
  Status_ID INT NOT NULL,
  Extension_ID INT NOT NULL,
  PRIMARY KEY (Agreement_ID),
  FOREIGN KEY (Method_ID) REFERENCES
__Payment_Method_ID(Method_ID),
  FOREIGN KEY (Status_ID) REFERENCES
Rental_Status_(Status_ID),
  FOREIGN KEY (Extension_ID) REFERENCES
Rental_Extension(Extension_ID)
);

CREATE TABLE Customer
(
  Name INT NOT NULL,
  Customer_ID INT NOT NULL,
  Email INT NOT NULL,
  Password INT NOT NULL,
  Agreement_ID INT NOT NULL,
  Insurance_ID INT NOT NULL,
  PRIMARY KEY (Customer_ID),
  FOREIGN KEY (Agreement_ID) REFERENCES
Rental_Agreement(Agreement_ID),
  FOREIGN KEY (Insurance_ID) REFERENCES
Car_Insurance(Insurance_ID)
);

CREATE TABLE Transaction
(
  Transaction_ID INT NOT NULL,
  Agreement_ID INT NOT NULL,
  Date INT NOT NULL,
  Amount INT NOT NULL,

```

```

    Agreement_ID INT NOT NULL,
    PRIMARY KEY (Transaction_ID),
    FOREIGN KEY (Agreement_ID) REFERENCES
Rental_Agreement(Agreement_ID)
);

```

```

CREATE TABLE Car_Category
(
    Category_ID INT NOT NULL,
    Name INT NOT NULL,
    Description INT NOT NULL,
    Date INT NOT NULL,
    Location_ID INT NOT NULL,
    PRIMARY KEY (Category_ID),
    FOREIGN KEY (Location_ID) REFERENCES
Location(Location_ID)
);

```

```

CREATE TABLE Discount
(
    Discount_ID INT NOT NULL,
    Code INT NOT NULL,
    Percentage INT NOT NULL,
    Car_Category_ID INT NOT NULL,
    Category_ID INT NOT NULL,
    PRIMARY KEY (Discount_ID),
    FOREIGN KEY (Category_ID) REFERENCES
Car_Category(Category_ID)
);

```

```

CREATE TABLE Car_Review
(
    Car_ID INT NOT NULL,
    Employee_ID INT NOT NULL,
    Review_ID INT NOT NULL,
    Customer_ID INT NOT NULL,
    PRIMARY KEY (Review_ID),
    FOREIGN KEY (Customer_ID) REFERENCES
Customer(Customer_ID)
);

```

```

CREATE TABLE Car
(
    Car_ID INT NOT NULL,
    __Car__Category_ID INT NOT NULL,
    __Car_availability_ID INT NOT NULL,
    Model INT NOT NULL,
    Year INT NOT NULL,
    Agreement_ID INT NOT NULL,
    Category_ID INT NOT NULL,
    PRIMARY KEY (Car_ID),
    FOREIGN KEY (Agreement_ID) REFERENCES
Rental_Agreement(Agreement_ID),
    FOREIGN KEY (Category_ID) REFERENCES
Car_Category(Category_ID)
);

```

```

CREATE TABLE ____Car_____Availability
(
    Availabilty_ID INT NOT NULL,
    Car_ID INT NOT NULL,
    Location_ID INT NOT NULL,
    Available_To INT NOT NULL,

```

```

    Car_ID INT NOT NULL,
    PRIMARY KEY (Availabilty_ID),
    FOREIGN KEY (Car_ID) REFERENCES
Car(Car_ID)
);

```

```

CREATE TABLE order
(
    Order_ID INT NOT NULL,
    Car_ID INT NOT NULL,
    Customer_ID INT NOT NULL,
    Date INT NOT NULL,
    Customer_ID INT NOT NULL,
    Car_ID INT NOT NULL,
    Agreement_ID INT NOT NULL,
    PRIMARY KEY (Order_ID),
    FOREIGN KEY (Customer_ID) REFERENCES
Customer(Customer_ID),
    FOREIGN KEY (Car_ID) REFERENCES
Car(Car_ID),
    FOREIGN KEY (Agreement_ID) REFERENCES
Rental_Agreement(Agreement_ID)
);

```

```

CREATE TABLE Damage_Report
(
    Damage_ID INT NOT NULL,
    Car_ID INT NOT NULL,
    Description INT NOT NULL,
    Date INT NOT NULL,
    Car_ID INT NOT NULL,
    PRIMARY KEY (Damage_ID),
    FOREIGN KEY (Car_ID) REFERENCES
Car(Car_ID)
);

```

```

CREATE TABLE Car_Image_
(
    Image_ID INT NOT NULL,
    Car_ID INT NOT NULL,
    image_url INT NOT NULL,
    Car_ID INT NOT NULL,
    PRIMARY KEY (Image_ID),
    FOREIGN KEY (Car_ID) REFERENCES
Car(Car_ID)
);

```

```

CREATE TABLE __Employee_Car_Review_IDs
(
    Employee_ID INT NOT NULL,
    Review_ID INT NOT NULL,
    PRIMARY KEY (Employee_ID),
    FOREIGN KEY (Review_ID) REFERENCES
Car_Review(Review_ID)
);

```

```

CREATE TABLE Car_Review_Comment
(
    Comment INT NOT NULL,
    Review_ID INT NOT NULL,
    PRIMARY KEY (Comment),

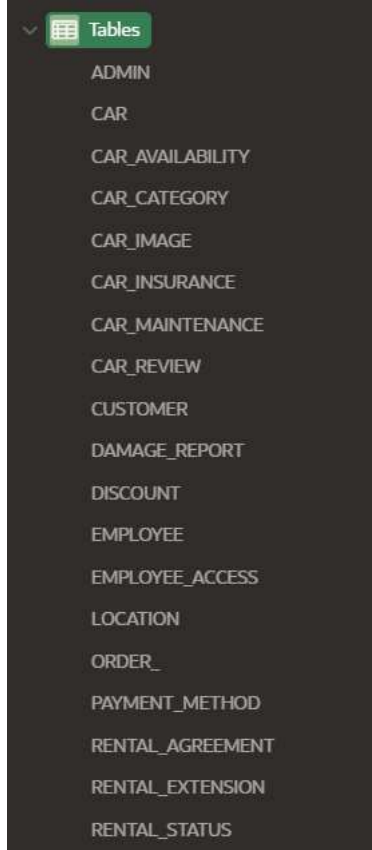
```

```
    FOREIGN KEY (Review_ID) REFERENCES  
    Car_Review(Review_ID)  
);
```

```
CREATE TABLE _Car___Maintenance  
(  
    Maintenance_ID INT NOT NULL,  
    Car_ID INT NOT NULL,  
    Date INT NOT NULL,
```

```
    Description INT NOT NULL,  
    Car_ID INT NOT NULL,  
    PRIMARY KEY (Maintenance_ID),  
    FOREIGN KEY (Car_ID) REFERENCES  
    Car(Car_ID)  
);
```

7. SCHEMA OF ORGANIZATION



A screenshot of a database management interface showing a list of tables. The interface has a dark background. At the top, there is a green header bar with a white table icon and the word "Tables". Below this, a list of table names is displayed in white text. The tables are listed in the following order: ADMIN, CAR, CAR_AVAILABILITY, CAR_CATEGORY, CAR_IMAGE, CAR_INSURANCE, CAR_MAINTENANCE, CAR_REVIEW, CUSTOMER, DAMAGE_REPORT, DISCOUNT, EMPLOYEE, EMPLOYEE_ACCESS, LOCATION, ORDER_, PAYMENT_METHOD, RENTAL_AGREEMENT, RENTAL_EXTENSION, and RENTAL_STATUS.

Tables
ADMIN
CAR
CAR_AVAILABILITY
CAR_CATEGORY
CAR_IMAGE
CAR_INSURANCE
CAR_MAINTENANCE
CAR_REVIEW
CUSTOMER
DAMAGE_REPORT
DISCOUNT
EMPLOYEE
EMPLOYEE_ACCESS
LOCATION
ORDER_
PAYMENT_METHOD
RENTAL_AGREEMENT
RENTAL_EXTENSION
RENTAL_STATUS

8. INSERTION OF RECORDS

- **Admin:**

```
INSERT INTO ADMIN(ADMIN_ID,NAME,EMAIL,PASSWORD)
VALUES(1,'Hayah Ahmed','hayahahmeduser@gmail.com','admin123')
VALUES(2,'Nabaha Tahir','pc9915.nabaha@gmail.com','admin0987')
VALUES(3,'Tayyaba Zahra','zahra4402005@cloud.neduet.edu.pk','admin999')
VALUES(4,'Maryam Irfan','maryamirfan108@gmail.com','admin180')
```

- **Employee:**

```
INSERT INTO Employee (Employee_ID, Admin_ID, Name, Email, Password)
VALUES (1, 1, 'Parker Brennan', 'parker.brennan@gmail.com', 'CarRent123');
INSERT INTO Employee (Employee_ID, Admin_ID, Name, Email, Password)
VALUES (2, 2, 'Bryce Campbell', 'bryce.campbell@yahoo.com', 'DriveTime!');
INSERT INTO Employee (Employee_ID, Admin_ID, Name, Email, Password)
VALUES (3, 3, 'Aubrie Nixon', 'aubrie.nixon@hotmail.com', 'AutoRental$');
INSERT INTO Employee (Employee_ID, Admin_ID, Name, Email, Password)
VALUES (4, 4, 'Jordan Cameron', 'jordan.cameron@gmail.com', 'RoadTrip55');
INSERT INTO Employee (Employee_ID, Admin_ID, Name, Email, Password)
VALUES (5, 1, 'Josue Schmitt', 'josue.schmitt@yahoo.com', 'RentACar@');
INSERT INTO Employee (Employee_ID, Admin_ID, Name, Email, Password)
VALUES (6, 2, 'Demetrius Bradford', 'demetrius.bradford@hotmail.com', 'Cruise2023');
INSERT INTO Employee (Employee_ID, Admin_ID, Name, Email, Password)
VALUES (7, 3, 'Whitney Carlson', 'whitney.carlson@gmail.com', 'SpeedyRider');
INSERT INTO Employee (Employee_ID, Admin_ID, Name, Email, Password)
VALUES (8, 4, 'Zara Reid', 'zara.reid@yahoo.com', 'GoCarGo!');
INSERT INTO Employee (Employee_ID, Admin_ID, Name, Email, Password)
VALUES (9, 1, 'Kiara Salas', 'kiara.salas@hotmail.com', 'EasyDrive*');
INSERT INTO Employee (Employee_ID, Admin_ID, Name, Email, Password)
VALUES (10, 2, 'Armani Meza', 'armani.meza@gmail.com', 'OnTheGo22');
INSERT INTO Employee (Employee_ID, Admin_ID, Name, Email, Password)
VALUES (11, 3, 'Nina Townsend', 'nina.townsend@yahoo.com', 'QuickRent#');
INSERT INTO Employee (Employee_ID, Admin_ID, Name, Email, Password)
VALUES (12, 4, 'Rayne Welch', 'rayne.welch@hotmail.com', 'Traveler99');
INSERT INTO Employee (Employee_ID, Admin_ID, Name, Email, Password)
VALUES (13, 1, 'Cullen Ramos', 'cullen.ramos@gmail.com', 'CarHire++');
INSERT INTO Employee (Employee_ID, Admin_ID, Name, Email, Password)
VALUES (14, 2, 'Valerie Mayer', 'valerie.mayer@yahoo.com', 'FleetDrive$');
INSERT INTO Employee (Employee_ID, Admin_ID, Name, Email, Password)
VALUES (15, 3, 'Melody Logan', 'melody.logan@hotmail.com', 'Roadster44');
INSERT INTO Employee (Employee_ID, Admin_ID, Name, Email, Password)
VALUES (16, 4, 'Zane Malone', 'zane.malone@gmail.com', 'RentEasy!');
INSERT INTO Employee (Employee_ID, Admin_ID, Name, Email, Password)
VALUES (17, 1, 'Kenna Avery', 'kenna.avery@yahoo.com', 'DriveSmart+');
INSERT INTO Employee (Employee_ID, Admin_ID, Name, Email, Password)
VALUES (18, 2, 'Madilynn Reyes', 'madilynn.reyes@hotmail.com', 'FastLane77');
INSERT INTO Employee (Employee_ID, Admin_ID, Name, Email, Password)
VALUES (19, 3, 'Fernando Benton', 'fernando.benton@gmail.com', 'AutoAdventures');
INSERT INTO Employee (Employee_ID, Admin_ID, Name, Email, Password)
VALUES (20, 4, 'Tucker Rowe', 'tucker.rowe@yahoo.com', 'JoyRide123');
```

- **Employee access:**

```
INSERT INTO EMPLOYEE_ACCESS (ACCESS_ID, ACCESS_LEVEL)
VALUES (1, 'SALES REPRESENTATIVE');
INSERT INTO EMPLOYEE_ACCESS (ACCESS_ID, ACCESS_LEVEL)
VALUES (2, 'CUSTOMER SUPPORT');
INSERT INTO EMPLOYEE_ACCESS (ACCESS_ID, ACCESS_LEVEL)
VALUES (3, 'MAINTENANCE STAFF');
INSERT INTO EMPLOYEE_ACCESS (ACCESS_ID, ACCESS_LEVEL)
VALUES (4, 'ACCOUNTING');
INSERT INTO EMPLOYEE_ACCESS (ACCESS_ID, ACCESS_LEVEL)
VALUES (5, 'MANAGER');
```

- **Rental extension:**

```
INSERT INTO RENTAL_EXTENSION (EXTENSION_ID, AGREEMENT_ID, STATUS_ID,
EXTENSION_DATE)VALUES (401, 127, 2, TO_DATE('2023-01-10', 'YYYY-MM-DD'));
INSERT INTO RENTAL_EXTENSION (EXTENSION_ID, AGREEMENT_ID, STATUS_ID,
EXTENSION_DATE)VALUES (402, 129, 3, TO_DATE('2023-01-22', 'YYYY-MM-DD'));
INSERT INTO RENTAL_EXTENSION (EXTENSION_ID, AGREEMENT_ID, STATUS_ID,
EXTENSION_DATE)VALUES (403, 130, 4, TO_DATE('2023-01-30', 'YYYY-MM-DD'));
INSERT INTO RENTAL_EXTENSION (EXTENSION_ID, AGREEMENT_ID, STATUS_ID,
EXTENSION_DATE)VALUES (404, 131, 5, TO_DATE('2023-02-08', 'YYYY-MM-DD'));
INSERT INTO RENTAL_EXTENSION (EXTENSION_ID, AGREEMENT_ID, STATUS_ID,
EXTENSION_DATE)VALUES (405, 132, 6, TO_DATE('2023-02-16', 'YYYY-MM-DD'));
INSERT INTO RENTAL_EXTENSION (EXTENSION_ID, AGREEMENT_ID, STATUS_ID,
EXTENSION_DATE)VALUES (406, 133, 7, TO_DATE('2023-02-19', 'YYYY-MM-DD'));
INSERT INTO RENTAL_EXTENSION (EXTENSION_ID, AGREEMENT_ID, STATUS_ID,
EXTENSION_DATE)VALUES (407, 136, 10, TO_DATE('2023-03-13', 'YYYY-MM-DD'));
INSERT INTO RENTAL_EXTENSION (EXTENSION_ID, AGREEMENT_ID, STATUS_ID,
EXTENSION_DATE)VALUES (408, 137, 11, TO_DATE('2023-03-22', 'YYYY-MM-DD'));
INSERT INTO RENTAL_EXTENSION (EXTENSION_ID, AGREEMENT_ID, STATUS_ID,
EXTENSION_DATE)VALUES (409, 140, 14, TO_DATE('2023-04-13', 'YYYY-MM-DD'));
INSERT INTO RENTAL_EXTENSION (EXTENSION_ID, AGREEMENT_ID, STATUS_ID,
EXTENSION_DATE)VALUES (410, 141, 15, TO_DATE('2023-04-16', 'YYYY-MM-DD'));
INSERT INTO RENTAL_EXTENSION (EXTENSION_ID, AGREEMENT_ID, STATUS_ID,
EXTENSION_DATE)VALUES (411, 142, 16, TO_DATE('2023-04-24', 'YYYY-MM-DD'));
INSERT INTO RENTAL_EXTENSION (EXTENSION_ID, AGREEMENT_ID, STATUS_ID,
EXTENSION_DATE)VALUES (412, 143, 17, TO_DATE('2023-05-03', 'YYYY-MM-DD'));
INSERT INTO RENTAL_EXTENSION (EXTENSION_ID, AGREEMENT_ID, STATUS_ID,
EXTENSION_DATE)VALUES (413, 144, 18, TO_DATE('2023-05-11', 'YYYY-MM-DD'));
INSERT INTO RENTAL_EXTENSION (EXTENSION_ID, AGREEMENT_ID, STATUS_ID,
EXTENSION_DATE)VALUES (414, 145, 19, TO_DATE('2023-05-14', 'YYYY-MM-DD'));
```

- **Car insurance:**

```
INSERT INTO CAR_INSURANCE (INSURANCE_ID, CUSTOMER_ID, COVERAGE_TYPE)
VALUES (3001, 1001, 'Collision Damage Waiver (CDW)');
INSERT INTO CAR_INSURANCE (INSURANCE_ID, CUSTOMER_ID, COVERAGE_TYPE)
VALUES (3002, 1002, 'Loss Damage Waiver (LDW)');
INSERT INTO CAR_INSURANCE (INSURANCE_ID, CUSTOMER_ID, COVERAGE_TYPE)
VALUES (3003, 1003, 'Liability Insurance');
INSERT INTO CAR_INSURANCE (INSURANCE_ID, CUSTOMER_ID, COVERAGE_TYPE)
VALUES (3004, 1004, 'Personal Accident Insurance (PAI)');
INSERT INTO CAR_INSURANCE (INSURANCE_ID, CUSTOMER_ID, COVERAGE_TYPE)
VALUES (3005, 1005, 'Supplemental Liability Insurance (SLI));
```

```

INSERT INTO CAR_INSURANCE (INSURANCE_ID, CUSTOMER_ID, COVERAGE_TYPE)
VALUES (3006, 1006, 'Theft Protection Coverage');
INSERT INTO CAR_INSURANCE (INSURANCE_ID, CUSTOMER_ID, COVERAGE_TYPE)
VALUES (3007, 1007, 'Roadside Assistance Coverage');
INSERT INTO CAR_INSURANCE (INSURANCE_ID, CUSTOMER_ID, COVERAGE_TYPE)
VALUES (3008, 1008, 'Physical Damage Coverage');
INSERT INTO CAR_INSURANCE (INSURANCE_ID, CUSTOMER_ID, COVERAGE_TYPE)
VALUES (3009, 1009, 'Uninsured Motorist Coverage');
INSERT INTO CAR_INSURANCE (INSURANCE_ID, CUSTOMER_ID, COVERAGE_TYPE)
VALUES (3010, 1010, 'Underinsured Motorist Coverage');
INSERT INTO CAR_INSURANCE (INSURANCE_ID, CUSTOMER_ID, COVERAGE_TYPE)
VALUES (3011, 1011, 'Rental Reimbursement Coverage');
INSERT INTO CAR_INSURANCE (INSURANCE_ID, CUSTOMER_ID, COVERAGE_TYPE)
VALUES (3012, 1012, 'Towing Coverage');
INSERT INTO CAR_INSURANCE (INSURANCE_ID, CUSTOMER_ID, COVERAGE_TYPE)
VALUES (3013, 1013, 'Third Party Liability Coverage');
INSERT INTO CAR_INSURANCE (INSURANCE_ID, CUSTOMER_ID, COVERAGE_TYPE)
VALUES (3014, 1014, 'Excess Reduction Coverage');
INSERT INTO CAR_INSURANCE (INSURANCE_ID, CUSTOMER_ID, COVERAGE_TYPE)
VALUES (3015, 1015, 'Breakdown Coverage');
INSERT INTO CAR_INSURANCE (INSURANCE_ID, CUSTOMER_ID, COVERAGE_TYPE)
VALUES (3016, 1016, 'Windshield Damage Coverage');
INSERT INTO CAR_INSURANCE (INSURANCE_ID, CUSTOMER_ID, COVERAGE_TYPE)
VALUES (3017, 1017, 'Key Replacement Coverage');
INSERT INTO CAR_INSURANCE (INSURANCE_ID, CUSTOMER_ID, COVERAGE_TYPE)
VALUES (3018, 1018, 'Tire and Rim Protection Coverage');
INSERT INTO CAR_INSURANCE (INSURANCE_ID, CUSTOMER_ID, COVERAGE_TYPE)
VALUES (3019, 1019, 'Rental Vehicle Upgrade Coverage');
INSERT INTO CAR_INSURANCE (INSURANCE_ID, CUSTOMER_ID, COVERAGE_TYPE)
VALUES (3020, 1020, 'Emergency Medical Expense Coverage');

```

- **Location:**

```

INSERT INTO Location (CarID, LocationID, "NAME", ADDRESS)
VALUES (8374, 7002, 'Rosewood Park', '123 Main Street');
INSERT INTO Location (CarID, LocationID, "NAME", ADDRESS)
VALUES (2156, 7003, 'Maple Grove', '456 Elm Avenue');
INSERT INTO Location (CarID, LocationID, "NAME", ADDRESS)
VALUES (6892, 7004, 'Pinebrook Meadows', '789 Oak Drive');
INSERT INTO Location (CarID, LocationID, "LOCATION NAME", ADDRESS)
VALUES (5210, 7005, 'Willow Creek', '321 Cedar Lane');
INSERT INTO Location (CarID, LocationID, "LOCATION NAME", ADDRESS)
VALUES (9743, 7006, 'Oakridge Heights', '654 Pine Street');
INSERT INTO Location (CarID, LocationID, "LOCATION NAME", ADDRESS)
VALUES (3468, 7007, 'Cedarwood Estates', '987 Maple Road');
INSERT INTO Location (CarID, LocationID, "LOCATION NAME", ADDRESS)
VALUES (7315, 7008, 'Birchwood Terrace', '246 Elm Street');
INSERT INTO Location (CarID, LocationID, "LOCATION NAME", ADDRESS)
VALUES (5832, 7009, 'Maplewood Heights', '579 Pine Avenue');
INSERT INTO Location (CarID, LocationID, "LOCATION NAME", ADDRESS)
VALUES (1907, 7010, 'Willowbrook Gardens', '802 Oak Drive');
INSERT INTO Location (CarID, LocationID, "LOCATION NAME", ADDRESS)
VALUES (4265, 7011, 'Oakmont Ridge', '345 Cedar Lane');
INSERT INTO Location (CarID, LocationID, "LOCATION NAME", ADDRESS)
VALUES (8791, 7012, 'Pinecrest Meadows', '678 Oak Avenue');
INSERT INTO Location (CarID, LocationID, "LOCATION NAME", ADDRESS)
VALUES (6542, 7013, 'Birchwood Park', '901 Maple Road');

```



```

INSERT INTO Location (CarID, LocationID, "LOCATION NAME", ADDRESS)
VALUES (3128, 7014, 'Maplebrook Heights', '234 Elm Street');
INSERT INTO Location (CarID, LocationID, "LOCATION NAME", ADDRESS)
VALUES (5937, 7015, 'Cedarcrest Terrace', '567 Pine Avenue');
INSERT INTO Location (CarID, LocationID, "LOCATION NAME", ADDRESS)
VALUES (1674, 7016, 'Willow Grove', '890 Walnut Street');
INSERT INTO Location (CarID, LocationID, "LOCATION NAME", ADDRESS)
VALUES (9420, 7017, 'Oakwood Estates', '123 Elmwood Drive');
INSERT INTO Location (CarID, LocationID, "LOCATION NAME", ADDRESS)
VALUES (4085, 7018, 'Elmwood Heights', '456 Oak Avenue');
INSERT INTO Location (CarID, LocationID, "LOCATION NAME", ADDRESS)
VALUES (7263, 7019, 'Birchwood Heights', '789 Maple Road');
INSERT INTO Location (CarID, LocationID, "LOCATION NAME", ADDRESS)
VALUES (5814, 7020, 'Maplehurst Park', '321 Cedar Lane');
INSERT INTO Location (CarID, LocationID, "LOCATION NAME", ADDRESS)
VALUES (2967, 7021, 'Willowbrook Terrace', '654

```

- **Car category:**

```

INSERT INTO Car_Category (CATEGORY_ID, CATEGORY_NAME, RENTAL_RATE, DESCRIPTION)
VALUES (103, 'Compact', 5000, 'Small and fuel-efficient city car');
INSERT INTO car_category(CATEGORY_ID, CATEGORY_NAME, RENTAL_RATE, DESCRIPTION)
VALUES (215, 'Mid-size', 7000, 'Balance of space and fuel efficiency');
INSERT INTO Car_Category (CATEGORY_ID, CATEGORY_NAME, RENTAL_RATE, DESCRIPTION)
VALUES (520, 'Luxury', 10000, 'High-end, premium features and comfort');
INSERT INTO Car_Category (CATEGORY_ID, CATEGORY_NAME, RENTAL_RATE, DESCRIPTION)
VALUES (712, 'sports', 9000, 'Performance-oriented, thrilling experience');
INSERT INTO Car_Category (CATEGORY_ID, CATEGORY_NAME, RENTAL_RATE, DESCRIPTION)
VALUES (925, 'Mid size', 7000, 'Balance of space and fuel efficiency');
INSERT INTO Car_Category (CATEGORY_ID, CATEGORY_NAME, RENTAL_RATE, DESCRIPTION)
VALUES (631, 'Luxury', 10000, 'High-end, premium features and comfort');
INSERT INTO Car_Category (CATEGORY_ID, CATEGORY_NAME, RENTAL_RATE, DESCRIPTION)
VALUES (847, 'Luxury', 10000, 'High-end, premium features and comfort');
INSERT INTO Car_Category (CATEGORY_ID, CATEGORY_NAME, RENTAL_RATE, DESCRIPTION)
VALUES (439, 'Compact', 5000, 'Small and fuel-efficient city car');
INSERT INTO Car_Category (CATEGORY_ID, CATEGORY_NAME, RENTAL_RATE, DESCRIPTION)
VALUES (586, 'Mid size', 7000, 'Balance of space and fuel efficiency');
INSERT INTO Car_Category (CATEGORY_ID, CATEGORY_NAME, RENTAL_RATE, DESCRIPTION)
VALUES (320, 'Mid size', 7000, 'Balance of space and fuel efficiency');
INSERT INTO Car_Category (CATEGORY_ID, CATEGORY_NAME, RENTAL_RATE, DESCRIPTION)
VALUES (100, 'Mid size', 7000, 'Balance of space and fuel efficiency');
INSERT INTO Car_Category (CATEGORY_ID, CATEGORY_NAME, RENTAL_RATE, DESCRIPTION)
VALUES (210, 'Compact', 5000, 'Small and fuel-efficient city car');
INSERT INTO Car_Category (CATEGORY_ID, CATEGORY_NAME, RENTAL_RATE, DESCRIPTION)
VALUES (743, 'Luxury', 10000, 'High-end, premium features and comfort');
INSERT INTO Car_Category (CATEGORY_ID, CATEGORY_NAME, RENTAL_RATE, DESCRIPTION)
VALUES (767, 'Mid size', 7000, 'Balance of space and fuel efficiency');
INSERT INTO Car_Category (CATEGORY_ID, CATEGORY_NAME, RENTAL_RATE, DESCRIPTION)
VALUES (909, 'Compact', 5000, 'Small and fuel-efficient city car');
INSERT INTO Car_Category (CATEGORY_ID, CATEGORY_NAME, RENTAL_RATE, DESCRIPTION)
VALUES (600, 'Luxury', 10000, 'High-end, premium features and comfort');
INSERT INTO Car_Category (CATEGORY_ID, CATEGORY_NAME, RENTAL_RATE, DESCRIPTION)
VALUES (872, 'SUV', 12000, 'Versatile, spacious, off-road capable');
INSERT INTO Car_Category (CATEGORY_ID, CATEGORY_NAME, RENTAL_RATE, DESCRIPTION)
VALUES (421, 'Mid size', 7000, 'Balance of space and fuel efficiency');
INSERT INTO Car_Category (CATEGORY_ID, CATEGORY_NAME, RENTAL_RATE, DESCRIPTION)
VALUES (573, 'Compact', 5000, 'Small and fuel-efficient city car');
INSERT INTO Car_Category (CATEGORY_ID, CATEGORY_NAME, RENTAL_RATE, DESCRIPTION)

```

VALUES (101, 'Compact', 5000, 'Small and fuel-efficient city car');

• CAR

INSERT INTO Car (CAR_ID, AVAILABILITY_ID, CATEGORY_ID, MODEL, YEAR, CAR_DESCRIPTION) VALUES (8374, 660, 103, 'Honda Civic', 2021, 'Black color, low mileage, well-maintained sedan with modern features and comfortable seating.');

INSERT INTO Car (CAR_ID, AVAILABILITY_ID, CATEGORY_ID, MODEL, YEAR, CAR_DESCRIPTION) VALUES (2156, 661, 215, 'Toyota Camry', 2011, 'Silver color, moderate mileage, fuel-efficient compact car with a spacious interior and user-friendly technology.');

INSERT INTO Car (CAR_ID, AVAILABILITY_ID, CATEGORY_ID, MODEL, YEAR, CAR_DESCRIPTION) VALUES (6892, 662, 520, 'BMW 3 Series', 2021, 'Red color, limited mileage, high-performance sports car with a sleek design and exhilarating speed.');

INSERT INTO Car (CAR_ID, AVAILABILITY_ID, CATEGORY_ID, MODEL, YEAR, CAR_DESCRIPTION) VALUES (5210, 663, 712, 'Ford Mustang', 2020, 'Blue color, low mileage, iconic muscle car with a powerful engine, stylish appearance, and thrilling driving experience.');

INSERT INTO Car (CAR_ID, AVAILABILITY_ID, CATEGORY_ID, MODEL, YEAR, CAR_DESCRIPTION) VALUES (9743, 664, 925, 'Chevrolet Malibu', 2022, 'White color, moderate mileage, reliable midsize sedan with a comfortable cabin, smooth ride, and advanced safety features.');

INSERT INTO Car (CAR_ID, AVAILABILITY_ID, CATEGORY_ID, MODEL, YEAR, CAR_DESCRIPTION) VALUES (3468, 665, 631, 'Mercedes-Benz C-Class', 2021, 'Gray color, low mileage, luxury compact sedan with a sporty design, refined interior, and cutting-edge technology.');

INSERT INTO Car (CAR_ID, AVAILABILITY_ID, CATEGORY_ID, MODEL, YEAR, CAR_DESCRIPTION) VALUES (7315, 666, 847, 'Audi A4', 2022, 'Black color, limited mileage, sophisticated sedan known for its elegant styling, plush interior, and advanced safety systems.');

INSERT INTO Car (CAR_ID, AVAILABILITY_ID, CATEGORY_ID, MODEL, YEAR, CAR_DESCRIPTION) VALUES (5832, 667, 439, 'Volkswagen Golf', 2023, 'Silver color, moderate mileage, premium compact sedan with a well-crafted interior, smooth ride, and advanced infotainment features.');

INSERT INTO Car (CAR_ID, AVAILABILITY_ID, CATEGORY_ID, MODEL, YEAR, CAR_DESCRIPTION) VALUES (1907, 668, 586, 'Nissan Altima', 2008, 'White color, moderate mileage, stylish sedan with comfortable seating, ample cargo space, and user-friendly technology.');

INSERT INTO Car (CAR_ID, AVAILABILITY_ID, CATEGORY_ID, MODEL, YEAR, CAR_DESCRIPTION) VALUES (4265, 669, 320, 'Hyundai Sonata', 2022, 'Blue color, low mileage, versatile compact SUV with a spacious interior, modern features, and capable performance.');

INSERT INTO Car (CAR_ID, AVAILABILITY_ID, CATEGORY_ID, MODEL, YEAR, CAR_DESCRIPTION) VALUES (8791, 670, 100, 'Honda Accord', 2021, 'Green color, moderate mileage, rugged yet refined crossover SUV with all-wheel drive, ample cargo space, and advanced safety features.');

INSERT INTO Car (CAR_ID, AVAILABILITY_ID, CATEGORY_ID, MODEL, YEAR, CAR_DESCRIPTION) VALUES (6542, 671, 210, 'Toyota Corolla', 2022, 'Silver color, moderate mileage, family-friendly SUV with three-row seating, generous cargo capacity, and available all-wheel drive.');

INSERT INTO Car (CAR_ID, AVAILABILITY_ID, CATEGORY_ID, MODEL, YEAR, CAR_DESCRIPTION) VALUES (3128, 672, 743, 'BMW 5 Series', 2016, 'Gray color, low mileage, sleek and sporty SUV with precise handling, upscale interior, and advanced driver-assistance technologies.');

INSERT INTO Car (CAR_ID, AVAILABILITY_ID, CATEGORY_ID, MODEL, YEAR, CAR_DESCRIPTION) VALUES (5937, 673, 767, 'Ford Fusion', 2021, 'Blue color, limited mileage, luxurious and advanced safety systems, and comfortable ride.');

INSERT INTO Car (CAR_ID, AVAILABILITY_ID, CATEGORY_ID, MODEL, YEAR, CAR_DESCRIPTION) VALUES (1674, 674, 909, 'Chevrolet Cruze', 2021, 'Black color, limited mileage, luxurious and versatile SUV known for its upscale cabin, advanced safety systems, and comfortable ride.');

```

INSERT INTO Car (CAR_ID, AVAILABILITY_ID, CATEGORY_ID, MODEL, YEAR,
CAR_DESCRIPTION) VALUES (9420, 675, 600, 'Mercedes-Benz E-Class', 2023, 'White color, limited
mileage, premium SUV with a sleek design, luxurious features, and advanced safety technologies for a
comfortable and safe driving experience.');
```

```

INSERT INTO Car (CAR_ID, AVAILABILITY_ID, CATEGORY_ID, MODEL, YEAR,
CAR_DESCRIPTION) VALUES (4085, 676, 872, 'Audi Q5', 2020, 'Red color, limited mileage, stylish
and compact luxury SUV featuring a plush interior, advanced technology, and impressive off-road
capabilities.');
```

```

INSERT INTO Car (CAR_ID, AVAILABILITY_ID, CATEGORY_ID, MODEL, YEAR,
CAR_DESCRIPTION) VALUES (7263, 677, 421, 'Volkswagen Passat', 2021, 'Blue color, limited
mileage, premium SUV known for its Scandinavian design, spacious interior, advanced safety features,
and smooth ride quality.');
```

```

INSERT INTO Car (CAR_ID, AVAILABILITY_ID, CATEGORY_ID, MODEL, YEAR,
CAR_DESCRIPTION) VALUES (5814, 678, 573, 'Nissan Sentra', 2015, 'White color, limited mileage,
premium SUV with a sleek design, luxurious features, and advanced safety technologies for a
comfortable and safe driving experience.');
```

```

INSERT INTO Car (CAR_ID, AVAILABILITY_ID, CATEGORY_ID, MODEL, YEAR,
CAR_DESCRIPTION) VALUES (2967, 679, 101, 'Hyundai Elantra', 2018, 'Silver color, limited
mileage, elegant and spacious SUV offering a refined interior, cutting-edge technology, and top-notch
safety features.');
```

• **Car Availability:**

```

INSERT INTO Car_Availability (AVAILABILITY_ID, CAR_ID, AVAILABLE_TO) VALUES (660, 8374,
TO_DATE('06/01/2023', 'DD/MM/YYYY'));
INSERT INTO Car_Availability (AVAILABILITY_ID, CAR_ID, AVAILABLE_TO) VALUES (661, 2156,
TO_DATE('20/01/2023', 'DD/MM/YYYY'));
INSERT INTO Car_Availability (AVAILABILITY_ID, CAR_ID, AVAILABLE_TO) VALUES (662, 6892,
TO_DATE('19/01/2023', 'DD/MM/YYYY'));
INSERT INTO Car_Availability (AVAILABILITY_ID, CAR_ID, AVAILABLE_TO) VALUES (663, 5210,
TO_DATE('28/01/2023', 'DD/MM/YYYY'));
INSERT INTO Car_Availability (AVAILABILITY_ID, CAR_ID, AVAILABLE_TO) VALUES (664, 9743,
TO_DATE('02/02/2023', 'DD/MM/YYYY'));
INSERT INTO Car_Availability (AVAILABILITY_ID, CAR_ID, AVAILABLE_TO) VALUES (665, 3468,
TO_DATE('14/02/2023', 'DD/MM/YYYY'));
INSERT INTO Car_Availability (AVAILABILITY_ID, CAR_ID, AVAILABLE_TO) VALUES (666, 7315,
TO_DATE('24/02/2023', 'DD/MM/YYYY'));
INSERT INTO Car_Availability (AVAILABILITY_ID, CAR_ID, AVAILABLE_TO) VALUES (667, 5832,
TO_DATE('23/02/2023', 'DD/MM/YYYY'));
INSERT INTO Car_Availability (AVAILABILITY_ID, CAR_ID, AVAILABLE_TO) VALUES (668, 1907,
TO_DATE('12/03/2023', 'DD/MM/YYYY'));
INSERT INTO Car_Availability (AVAILABILITY_ID, CAR_ID, AVAILABLE_TO) VALUES (669, 4265,
TO_DATE('09/03/2023', 'DD/MM/YYYY'));
INSERT INTO Car_Availability (AVAILABILITY_ID, CAR_ID, AVAILABLE_TO) VALUES (670, 8791,
TO_DATE('16/03/2023', 'DD/MM/YYYY'));
INSERT INTO Car_Availability (AVAILABILITY_ID, CAR_ID, AVAILABLE_TO) VALUES (671, 6542,
TO_DATE('30/03/2023', 'DD/MM/YYYY'));
INSERT INTO Car_Availability (AVAILABILITY_ID, CAR_ID, AVAILABLE_TO) VALUES (672, 3128,
TO_DATE('30/03/2023', 'DD/MM/YYYY'));
INSERT INTO Car_Availability (AVAILABILITY_ID, CAR_ID, AVAILABLE_TO) VALUES (673, 5937,
TO_DATE('06/04/2023', 'DD/MM/YYYY'));
INSERT INTO Car_Availability (AVAILABILITY_ID, CAR_ID, AVAILABLE_TO) VALUES (674, 1674,
TO_DATE('13/04/2023', 'DD/MM/YYYY'));
INSERT INTO Car_Availability (AVAILABILITY_ID, CAR_ID, AVAILABLE_TO) VALUES (675, 9420,
TO_DATE('25/04/2023', 'DD/MM/YYYY'));
```

```

INSERT INTO Car_Availability (AVAILABILITY_ID, CAR_ID, AVAILABLE_TO) VALUES (676, 4085,
TO_DATE('28/04/2023', 'DD/MM/YYYY'));
INSERT INTO Car_Availability (AVAILABILITY_ID, CAR_ID, AVAILABLE_TO) VALUES (677, 7263,
TO_DATE('20/05/2023', 'DD/MM/YYYY'));
INSERT INTO Car_Availability (AVAILABILITY_ID, CAR_ID, AVAILABLE_TO) VALUES (678, 5814,
TO_DATE('12/05/2023', 'DD/MM/YYYY'));
INSERT INTO Car_Availability (AVAILABILITY_ID, CAR_ID, AVAILABLE_TO) VALUES (679, 2967,
TO_DATE('18/05/2023', 'DD/MM/YYYY'));

```

• Car image :

```

INSERT INTO car_image (image_id, car_id, image_url)
VALUES ('39808cdbf12eb7d0', '8374', 'https://imageserver1.com/39808cdbf12eb7d0.jpg');
INSERT INTO car_image (image_id, car_id, image_url)
VALUES ('a5b7e8f290134cde', '2156', 'https://imageserver2.com/562c91e84b9a5f17.jpg');
INSERT INTO car_image (image_id, car_id, image_url)
VALUES ('76d09ab548c3fe21', '6892', 'https://imageserver3.com/9f1d275647b0cde3.jpg');
INSERT INTO car_image (image_id, car_id, image_url)
VALUES ('f0bda3456e789c12', '5210', 'https://imageserver4.com/7ae216b34589cd90.jpg');
INSERT INTO car_image (image_id, car_id, image_url)
VALUES ('23ef56789ab0cd45', '9743', 'https://imageserver5.com/3f68c53a216db9e8.jpg');
INSERT INTO car_image (image_id, car_id, image_url)
VALUES ('8c12d9e0fa34567b', '3468', 'https://imageserver6.com/126c7d894ea50b31.jpg');
INSERT INTO car_image (image_id, car_id, image_url)
VALUES ('4567a0cdef89123b', '7315', 'https://imageserver7.com/8b4329f5c1e6da74.jpg');
INSERT INTO car_image (image_id, car_id, image_url)
VALUES ('bcdef9123a45678c', '5832', 'https://imageserver8.com/4a73b9e6c85410f2.jpg');
INSERT INTO car_image (image_id, car_id, image_url)
VALUES ('90123bc45a678def', '1907', 'https://imageserver9.com/1c9a8b34e52d6709.jpg');
INSERT INTO car_image (image_id, car_id, image_url)
VALUES ('56789a0bcd1ef234', '4265', 'https://imageserver10.com/f7392510e68c6d47.jpg');
INSERT INTO car_image (image_id, car_id, image_url)
VALUES ('cdef1234567890ab', '8791', 'https://imageserver11.com/5e08d173b2894062.jpg');
INSERT INTO car_image (image_id, car_id, image_url)
VALUES ('a0bcde23456789f1', '6542', 'https://imageserver12.com/248e50cd4a791b7f.jpg');
INSERT INTO car_image (image_id, car_id, image_url)
VALUES ('6789f123456abcde', '3128', 'https://imageserver13.com/6d7fb381c2e98a5e.jpg');
INSERT INTO car_image (image_id, car_id, image_url)
VALUES ('23456ab789cdef01', '5937', 'https://imageserver14.com/2f6c89d570e9a143.jpg');
INSERT INTO car_image (image_id, car_id, image_url)
VALUES ('9f01cde2345678ab', '1674', 'https://imageserver15.com/9a4b5e7d86c310f1.jpg');
INSERT INTO car_image (image_id, car_id, image_url)
VALUES ('5678abcde90123f4', '9420', 'https://imageserver16.com/7c3e1a9f5b620d84.jpg');
INSERT INTO car_image (image_id, car_id, image_url)
VALUES ('78901f23456cdeab', '4085', 'https://imageserver17.com/3b6d2c41a587ef98.jpg');
INSERT INTO car_image (image_id, car_id, image_url)
VALUES ('23cde45678fab901', '7263', 'https://imageserver18.com/8e97a6b3d410f52d.jpg');
INSERT INTO car_image (image_id, car_id, image_url)
VALUES ('01fab6789cde2345', '5814', 'https://imageserver19.com/1a2b3c4d5e6f7a8b.jpg');
INSERT INTO car_image (image_id, car_id, image_url)
VALUES ('456def7890123abc', '2967', 'https://imageserver20.com/5d6e7f8a9b0c1d2e.jpg');

```

• **Car Maintenance:**

```
INSERT INTO car_maintenance (maintenance_id, car_id, maintenance_date, description)
VALUES ('440', '8374', TO_DATE('2008-06-15', 'YYYY-MM-DD'), 'Oil change and filter replacement');
INSERT INTO car_maintenance (maintenance_id, car_id, maintenance_date, description)
VALUES ('441', '2156', TO_DATE('2009-11-27', 'YYYY-MM-DD'), 'Tire rotation and balancing');
INSERT INTO car_maintenance (maintenance_id, car_id, maintenance_date, description)
VALUES ('442', '6892', TO_DATE('2010-04-03', 'YYYY-MM-DD'), 'Brake pad replacement');
INSERT INTO car_maintenance (maintenance_id, car_id, maintenance_date, description)
VALUES ('443', '5210', TO_DATE('2011-08-09', 'YYYY-MM-DD'), 'Engine tune-up');
INSERT INTO car_maintenance (maintenance_id, car_id, maintenance_date, description)
VALUES ('444', '9743', TO_DATE('2012-12-19', 'YYYY-MM-DD'), 'Battery check and replacement');
INSERT INTO car_maintenance (maintenance_id, car_id, maintenance_date, description)
VALUES ('445', '3468', TO_DATE('2013-05-06', 'YYYY-MM-DD'), 'Wheel alignment');
```

```
INSERT INTO car_maintenance (maintenance_id, car_id, maintenance_date, description)
VALUES ('446', '7315', TO_DATE('2014-10-17', 'YYYY-MM-DD'), 'Air filter replacement');
INSERT INTO car_maintenance (maintenance_id, car_id, maintenance_date, description)
VALUES ('447', '5832', TO_DATE('2015-02-22', 'YYYY-MM-DD'), 'Spark plug replacement');
INSERT INTO car_maintenance (maintenance_id, car_id, maintenance_date, description)
VALUES ('448', '1907', TO_DATE('2016-07-03', 'YYYY-MM-DD'), 'Coolant flush');
INSERT INTO car_maintenance (maintenance_id, car_id, maintenance_date, description)
VALUES ('449', '4265', TO_DATE('2017-11-14', 'YYYY-MM-DD'), 'Transmission fluid change');
INSERT INTO car_maintenance (maintenance_id, car_id, maintenance_date, description)
VALUES ('450', '8791', TO_DATE('2018-04-25', 'YYYY-MM-DD'), 'Power steering fluid flush');
INSERT INTO car_maintenance (maintenance_id, car_id, maintenance_date, description)
VALUES ('451', '6542', TO_DATE('2019-09-07', 'YYYY-MM-DD'), 'Brake fluid replacement');
INSERT INTO car_maintenance (maintenance_id, car_id, maintenance_date, description)
VALUES ('452', '3128', TO_DATE('2020-01-12', 'YYYY-MM-DD'), 'Cabin air filter replacement');
INSERT INTO car_maintenance (maintenance_id, car_id, maintenance_date, description)
VALUES ('453', '5937', TO_DATE('2021-06-24', 'YYYY-MM-DD'), 'Wheel bearing inspection');
INSERT INTO car_maintenance (maintenance_id, car_id, maintenance_date, description)
VALUES ('454', '1674', TO_DATE('2022-11-04', 'YYYY-MM-DD'), 'Fuel filter replacement');
INSERT INTO car_maintenance (maintenance_id, car_id, maintenance_date, description)
VALUES ('455', '9420', TO_DATE('2008-09-20', 'YYYY-MM-DD'), 'Alternator check');
INSERT INTO car_maintenance (maintenance_id, car_id, maintenance_date, description)
VALUES ('456', '4085', TO_DATE('2009-02-05', 'YYYY-MM-DD'), 'Radiator hose inspection');
INSERT INTO car_maintenance (maintenance_id, car_id, maintenance_date, description)
VALUES ('457', '7263', TO_DATE('2010-07-17', 'YYYY-MM-DD'), 'PCV valve replacement');
INSERT INTO car_maintenance (maintenance_id, car_id, maintenance_date, description)
VALUES ('458', '5814', TO_DATE('2011-11-28', 'YYYY-MM-DD'), 'Timing belt inspection');
INSERT INTO car_maintenance (maintenance_id, car_id, maintenance_date, description)
VALUES ('459', '2967', TO_DATE('2013-05-09', 'YYYY-MM-DD'), 'Oxygen sensor replacement');
```

• **Employee car review**

```
INSERT INTO EMPLOYEE_CAR_REVIEW (EMPLOYEE_CAR_REVIEW_ID, EMPLOYEE_ID,
REVIEW_ID)VALUES (550, 1, 201);
INSERT INTO EMPLOYEE_CAR_REVIEW (EMPLOYEE_CAR_REVIEW_ID, EMPLOYEE_ID,
REVIEW_ID)VALUES (551, 2, 202);
INSERT INTO EMPLOYEE_CAR_REVIEW (EMPLOYEE_CAR_REVIEW_ID, EMPLOYEE_ID,
REVIEW_ID)VALUES (552, 3, 203);
INSERT INTO EMPLOYEE_CAR_REVIEW (EMPLOYEE_CAR_REVIEW_ID, EMPLOYEE_ID,
REVIEW_ID)VALUES (553, 4, 204);
INSERT INTO EMPLOYEE_CAR_REVIEW (EMPLOYEE_CAR_REVIEW_ID, EMPLOYEE_ID,
REVIEW_ID)VALUES (554, 5, 205);
```

```

INSERT INTO EMPLOYEE_CAR_REVIEW (EMPLOYEE_CAR_REVIEW_ID, EMPLOYEE_ID,
REVIEW_ID)VALUES (555, 6, 206);
INSERT INTO EMPLOYEE_CAR_REVIEW (EMPLOYEE_CAR_REVIEW_ID, EMPLOYEE_ID,
REVIEW_ID)VALUES (556, 7, 207);
INSERT INTO EMPLOYEE_CAR_REVIEW (EMPLOYEE_CAR_REVIEW_ID, EMPLOYEE_ID,
REVIEW_ID)VALUES (557, 8, 208);
INSERT INTO EMPLOYEE_CAR_REVIEW (EMPLOYEE_CAR_REVIEW_ID, EMPLOYEE_ID,
REVIEW_ID)VALUES (558, 9, 209);
INSERT INTO EMPLOYEE_CAR_REVIEW (EMPLOYEE_CAR_REVIEW_ID, EMPLOYEE_ID,
REVIEW_ID)VALUES (559, 10, 210);
INSERT INTO EMPLOYEE_CAR_REVIEW (EMPLOYEE_CAR_REVIEW_ID, EMPLOYEE_ID,
REVIEW_ID)VALUES (560, 11, 211);
INSERT INTO EMPLOYEE_CAR_REVIEW (EMPLOYEE_CAR_REVIEW_ID, EMPLOYEE_ID,
REVIEW_ID)VALUES (561, 12, 212);
INSERT INTO EMPLOYEE_CAR_REVIEW (EMPLOYEE_CAR_REVIEW_ID, EMPLOYEE_ID,
REVIEW_ID)VALUES (562, 13, 213);
INSERT INTO EMPLOYEE_CAR_REVIEW (EMPLOYEE_CAR_REVIEW_ID, EMPLOYEE_ID,
REVIEW_ID)VALUES (563, 14, 214);
INSERT INTO EMPLOYEE_CAR_REVIEW (EMPLOYEE_CAR_REVIEW_ID, EMPLOYEE_ID,
REVIEW_ID)VALUES (564, 15, 215);
INSERT INTO EMPLOYEE_CAR_REVIEW (EMPLOYEE_CAR_REVIEW_ID, EMPLOYEE_ID,
REVIEW_ID)VALUES (565, 16, 216);
INSERT INTO EMPLOYEE_CAR_REVIEW (EMPLOYEE_CAR_REVIEW_ID, EMPLOYEE_ID,
REVIEW_ID)VALUES (566, 17, 217);
INSERT INTO EMPLOYEE_CAR_REVIEW (EMPLOYEE_CAR_REVIEW_ID, EMPLOYEE_ID,
REVIEW_ID)VALUES (567, 18, 218);
INSERT INTO EMPLOYEE_CAR_REVIEW (EMPLOYEE_CAR_REVIEW_ID, EMPLOYEE_ID,
REVIEW_ID)VALUES (568, 19, 219);
INSERT INTO EMPLOYEE_CAR_REVIEW (EMPLOYEE_CAR_REVIEW_ID, EMPLOYEE_ID,
REVIEW_ID)VALUES (569, 20, 220);

```

• **ORDER**

```

INSERT INTO ORDER_ (ORDER_ID, AGREEMENT_ID, ORDER_DATE) VALUES ('1001', '127',
TO_DATE('05/01/2023', 'DD/MM/YYYY'));
INSERT INTO ORDER_ (ORDER_ID, AGREEMENT_ID, ORDER_DATE) VALUES ('1002', '128',
TO_DATE('12/01/2023', 'DD/MM/YYYY'));
INSERT INTO ORDER_ (ORDER_ID, AGREEMENT_ID, ORDER_DATE) VALUES ('1003', '129',
TO_DATE('19/01/2023', 'DD/MM/YYYY'));
INSERT INTO ORDER_ (ORDER_ID, AGREEMENT_ID, ORDER_DATE) VALUES ('1004', '130',
TO_DATE('26/01/2023', 'DD/MM/YYYY'));
INSERT INTO ORDER_ (ORDER_ID, AGREEMENT_ID, ORDER_DATE) VALUES ('1005', '131',
TO_DATE('02/02/2023', 'DD/MM/YYYY'));
INSERT INTO ORDER_ (ORDER_ID, AGREEMENT_ID, ORDER_DATE) VALUES ('1006', '132',
TO_DATE('09/02/2023', 'DD/MM/YYYY'));
INSERT INTO ORDER_ (ORDER_ID, AGREEMENT_ID, ORDER_DATE) VALUES ('1007', '133',
TO_DATE('16/02/2023', 'DD/MM/YYYY'));
INSERT INTO ORDER_ (ORDER_ID, AGREEMENT_ID, ORDER_DATE) VALUES ('1008', '134',
TO_DATE('23/02/2023', 'DD/MM/YYYY'));
INSERT INTO ORDER_ (ORDER_ID, AGREEMENT_ID, ORDER_DATE) VALUES ('1009', '135',
TO_DATE('02/03/2023', 'DD/MM/YYYY'));
INSERT INTO ORDER_ (ORDER_ID, AGREEMENT_ID, ORDER_DATE) VALUES ('1010', '136',
TO_DATE('09/03/2023', 'DD/MM/YYYY'));
INSERT INTO ORDER_ (ORDER_ID, AGREEMENT_ID, ORDER_DATE) VALUES ('1011', '137',
TO_DATE('16/03/2023', 'DD/MM/YYYY'));
INSERT INTO ORDER_ (ORDER_ID, AGREEMENT_ID, ORDER_DATE) VALUES ('1012', '138',
TO_DATE('23/03/2023', 'DD/MM/YYYY'));

```

```

INSERT INTO ORDER_ (ORDER_ID, AGREEMENT_ID, ORDER_DATE) VALUES ('1013', '139',
TO_DATE('30/03/2023', 'DD/MM/YYYY'));
INSERT INTO ORDER_ (ORDER_ID, AGREEMENT_ID, ORDER_DATE) VALUES ('1014', '140',
TO_DATE('06/04/2023', 'DD/MM/YYYY'));
INSERT INTO ORDER_ (ORDER_ID, AGREEMENT_ID, ORDER_DATE) VALUES ('1015', '141',
TO_DATE('13/04/2023', 'DD/MM/YYYY'));
INSERT INTO ORDER_ (ORDER_ID, AGREEMENT_ID, ORDER_DATE) VALUES ('1016', '142',
TO_DATE('20/04/2023', 'DD/MM/YYYY'));
INSERT INTO ORDER_ (ORDER_ID, AGREEMENT_ID, ORDER_DATE) VALUES ('1017', '143',
TO_DATE('27/04/2023', 'DD/MM/YYYY'));
INSERT INTO ORDER_ (ORDER_ID, AGREEMENT_ID, ORDER_DATE) VALUES ('1018', '144',
TO_DATE('04/05/2023', 'DD/MM/YYYY'));
INSERT INTO ORDER_ (ORDER_ID, AGREEMENT_ID, ORDER_DATE) VALUES ('1019', '145',
TO_DATE('11/05/2023', 'DD/MM/YYYY'));
INSERT INTO ORDER_ (ORDER_ID, AGREEMENT_ID, ORDER_DATE) VALUES ('1020', '146',
TO_DATE('18/05/2023', 'DD/MM/YYYY'));

```

- **Discount:**

```

INSERT INTO DISCOUNT (DISCOUNT_ID , PERCENTAGE , CATEGORY_ID , CODE ) VALUES (1 , 10 ,
103 , 'CODE001');
INSERT INTO DISCOUNT (DISCOUNT_ID , PERCENTAGE , CATEGORY_ID , CODE ) VALUES (2 , 20 ,
215 , 'DISCOUNT20');
INSERT INTO DISCOUNT (DISCOUNT_ID , PERCENTAGE , CATEGORY_ID , CODE ) VALUES (3 , 15 ,
520 , 'SAVERENT');
INSERT INTO DISCOUNT (DISCOUNT_ID , PERCENTAGE , CATEGORY_ID , CODE ) VALUES (4 , 25 ,
712 , 'SUMMERDEAL');
INSERT INTO DISCOUNT (DISCOUNT_ID , PERCENTAGE , CATEGORY_ID , CODE ) VALUES (5 , 30 ,
925 , 'EARLYBIRD');
INSERT INTO DISCOUNT (DISCOUNT_ID , PERCENTAGE , CATEGORY_ID , CODE ) VALUES (6 , 50 ,
631 , 'SPRINGSALE');
INSERT INTO DISCOUNT (DISCOUNT_ID , PERCENTAGE , CATEGORY_ID , CODE ) VALUES (7 , 40 ,
847 , 'MEMBER10');
INSERT INTO DISCOUNT (DISCOUNT_ID , PERCENTAGE , CATEGORY_ID , CODE ) VALUES (8 , 12 ,
439 , 'HOLIDAY25');
INSERT INTO DISCOUNT (DISCOUNT_ID , PERCENTAGE , CATEGORY_ID , CODE ) VALUES (9 , 75 ,
586 , 'LOYALTY15');
INSERT INTO DISCOUNT (DISCOUNT_ID , PERCENTAGE , CATEGORY_ID , CODE ) VALUES (10 , 5 ,
320 , 'FLASH50');
INSERT INTO DISCOUNT (DISCOUNT_ID , PERCENTAGE , CATEGORY_ID , CODE ) VALUES (11 , 20
,100 , 'CLEARANCE');
INSERT INTO DISCOUNT (DISCOUNT_ID , PERCENTAGE , CATEGORY_ID , CODE ) VALUES (12 , 30
,210 , 'BONUSCODE');
INSERT INTO DISCOUNT (DISCOUNT_ID , PERCENTAGE , CATEGORY_ID , CODE ) VALUES (13 , 15
,743 , 'EXCLUSIVE20');
INSERT INTO DISCOUNT (DISCOUNT_ID , PERCENTAGE , CATEGORY_ID , CODE ) VALUES (14 , 8
,767 , 'WINTERSPECIAL');
INSERT INTO DISCOUNT (DISCOUNT_ID , PERCENTAGE , CATEGORY_ID , CODE ) VALUES (15 , 10
,909 , 'FRIENDS25');
INSERT INTO DISCOUNT (DISCOUNT_ID , PERCENTAGE , CATEGORY_ID , CODE ) VALUES (16 , 25
,600 , 'SEASONALSALE');
INSERT INTO DISCOUNT (DISCOUNT_ID , PERCENTAGE , CATEGORY_ID , CODE ) VALUES (17 , 20 ,
872 , 'VIP300');
INSERT INTO DISCOUNT (DISCOUNT_ID , PERCENTAGE , CATEGORY_ID , CODE ) VALUES (18 , 50 ,
421 , 'LIMITEDTIME');
INSERT INTO DISCOUNT (DISCOUNT_ID , PERCENTAGE , CATEGORY_ID , CODE ) VALUES (19 , 35
,573 , 'SPECIALOFFER');

```

```
INSERT INTO DISCOUNT (DISCOUNT_ID , PERCENTAGE , CATEGORY_ID , CODE ) VALUES (20 , 25 ,101, 'GIFTDISCOUNT');
```

- **Rental status:**

```
INSERT INTO RENTAL_STATUS(STATUS_ID , STATUS) VALUES ( 1, 'AVAILABLE');
INSERT INTO RENTAL_STATUS(STATUS_ID , STATUS) VALUES ( 2, 'RENTED');
INSERT INTO RENTAL_STATUS(STATUS_ID , STATUS) VALUES ( 3, 'RENTED');
INSERT INTO RENTAL_STATUS(STATUS_ID , STATUS) VALUES ( 4, 'RENTED');
INSERT INTO RENTAL_STATUS(STATUS_ID , STATUS) VALUES ( 5, 'AVAILABLE');
INSERT INTO RENTAL_STATUS(STATUS_ID , STATUS) VALUES ( 6, 'AVAILABLE');
INSERT INTO RENTAL_STATUS(STATUS_ID , STATUS) VALUES ( 7, 'RENTED');
INSERT INTO RENTAL_STATUS(STATUS_ID , STATUS) VALUES ( 8, 'RENTED');
INSERT INTO RENTAL_STATUS(STATUS_ID , STATUS) VALUES ( 9, 'RESERVED');
INSERT INTO RENTAL_STATUS(STATUS_ID , STATUS) VALUES ( 10, 'RENTED');
INSERT INTO RENTAL_STATUS(STATUS_ID , STATUS) VALUES ( 11, 'RENTED');
INSERT INTO RENTAL_STATUS(STATUS_ID , STATUS) VALUES ( 12, 'AVAILABLE');
INSERT INTO RENTAL_STATUS(STATUS_ID , STATUS) VALUES ( 13, 'RENTED');
INSERT INTO RENTAL_STATUS(STATUS_ID , STATUS) VALUES ( 14, 'AVAILABLE');
INSERT INTO RENTAL_STATUS(STATUS_ID , STATUS) VALUES ( 15, 'AVAILABLE');
INSERT INTO RENTAL_STATUS(STATUS_ID , STATUS) VALUES ( 16, 'AVAILABLE');
INSERT INTO RENTAL_STATUS(STATUS_ID , STATUS) VALUES ( 17, 'RENTED');
INSERT INTO RENTAL_STATUS(STATUS_ID , STATUS) VALUES ( 18, 'RESERVED');
INSERT INTO RENTAL_STATUS(STATUS_ID , STATUS) VALUES ( 19, 'AVAILABLE');
INSERT INTO RENTAL_STATUS(STATUS_ID , STATUS) VALUES ( 20, 'RENTED');
```

- **Damage report:**

```
INSERT INTO DAMAGE_REPORT (DAMAGE_REPORT_ID , CAR_ID , REPORT_DESCRIPTION ,
DAMAGE_REPORT_DATE) VALUES (101 , 8374 , 'Noticeable dent on the front passenger side of the vehicle,
approximately 8 inches in diameter',TO_DATE ('2023-01-06','YYYY-MM-DD')) ;
INSERT INTO DAMAGE_REPORT (DAMAGE_REPORT_ID , CAR_ID , REPORT_DESCRIPTION ,
DAMAGE_REPORT_DATE) VALUES (102 , 2156 , ' Scratch on the rear bumper, measuring about 3 inches in
length.',TO_DATE ('2023-01-11','YYYY-MM-DD')) ;
INSERT INTO DAMAGE_REPORT (DAMAGE_REPORT_ID , CAR_ID , REPORT_DESCRIPTION ,
DAMAGE_REPORT_DATE)VALUES (103 , 6892 , ' multiple dents on the drivers side door.', TO_DATE
('2023-01-18','YYYY-MM-DD')) ;
INSERT INTO DAMAGE_REPORT (DAMAGE_REPORT_ID , CAR_ID , REPORT_DESCRIPTION ,
DAMAGE_REPORT_DATE)VALUES (104 , 5210 , 'The front left tire shows signs of wear and has a puncture
near the tread.',TO_DATE ('2023-01-25','YYYY-MM-DD')) ;
INSERT INTO DAMAGE_REPORT (DAMAGE_REPORT_ID , CAR_ID , REPORT_DESCRIPTION ,
DAMAGE_REPORT_DATE)VALUES (105 , 9743, 'The interior upholstery has a tear on the backseat,
approximately 4 inches in length.',TO_DATE ('2023-02-01','YYYY-MM-DD')) ;
```

- **Payment method:**

```
INSERT INTO PAYMENT_METHOD (METHOD_ID, METHOD_TYPE) VALUES (75, 'CREDIT CARD');
INSERT INTO PAYMENT_METHOD (METHOD_ID, METHOD_TYPE) VALUES (76, 'CASH');
INSERT INTO PAYMENT_METHOD (METHOD_ID, METHOD_TYPE) VALUES (77, 'DEBIT CARD');
INSERT INTO PAYMENT_METHOD (METHOD_ID, METHOD_TYPE) VALUES (78, 'CASH');
INSERT INTO PAYMENT_METHOD (METHOD_ID, METHOD_TYPE) VALUES (79, 'BANK
TRANSFER');
INSERT INTO PAYMENT_METHOD (METHOD_ID, METHOD_TYPE) VALUES (80, 'CREDIT CARD');
INSERT INTO PAYMENT_METHOD (METHOD_ID, METHOD_TYPE) VALUES (81, 'CREDIT CARD');
INSERT INTO PAYMENT_METHOD (METHOD_ID, METHOD_TYPE) VALUES (82, 'CASH');
INSERT INTO PAYMENT_METHOD (METHOD_ID, METHOD_TYPE) VALUES (83, 'CHEQUE');
```



```

INSERT INTO PAYMENT_METHOD (METHOD_ID, METHOD_TYPE) VALUES (84, 'DEBIT CARD');
INSERT INTO PAYMENT_METHOD (METHOD_ID, METHOD_TYPE) VALUES (85, 'CASH');
INSERT INTO PAYMENT_METHOD (METHOD_ID, METHOD_TYPE) VALUES (86, 'CREDIT CARD');
INSERT INTO PAYMENT_METHOD (METHOD_ID, METHOD_TYPE) VALUES (87, 'BANK
TRANSFER');
INSERT INTO PAYMENT_METHOD (METHOD_ID, METHOD_TYPE) VALUES (88, 'BANK
TRANSFER');
INSERT INTO PAYMENT_METHOD (METHOD_ID, METHOD_TYPE) VALUES (89, 'DEBIT CARD');
INSERT INTO PAYMENT_METHOD (METHOD_ID, METHOD_TYPE) VALUES (90, 'CREDIT CARD');
INSERT INTO PAYMENT_METHOD (METHOD_ID, METHOD_TYPE) VALUES (91, 'CASH');
INSERT INTO PAYMENT_METHOD (METHOD_ID, METHOD_TYPE) VALUES (92, 'CASH');
INSERT INTO PAYMENT_METHOD (METHOD_ID, METHOD_TYPE) VALUES (93, 'BANK
TRANSFER');
INSERT INTO PAYMENT_METHOD (METHOD_ID, METHOD_TYPE) VALUES (94, 'CHEQUE');

```

• Car review

```

INSERT INTO CAR_REVIEW (REVIEW_ID ,CUSTOMER_ID , EMPLOYEE_ID , CAR_ID ,
CAR_REVIEW_COMMENT) VALUES (201 , 1001 , 1 ,8374,'Excellent service! ');
INSERT INTO CAR_REVIEW (REVIEW_ID ,CUSTOMER_ID , EMPLOYEE_ID , CAR_ID ,
CAR_REVIEW_COMMENT) VALUES (202 , 1002 , 2 ,2156,'Smooth transaction.' );
INSERT INTO CAR_REVIEW (REVIEW_ID ,CUSTOMER_ID , EMPLOYEE_ID , CAR_ID ,
CAR_REVIEW_COMMENT) VALUES (203 , 1003 , 3 ,6892,'Disappointed with cleanliness.' );
INSERT INTO CAR_REVIEW (REVIEW_ID ,CUSTOMER_ID , EMPLOYEE_ID , CAR_ID ,
CAR_REVIEW_COMMENT) VALUES (204 , 1004 , 4 ,5210,'Quick and efficient.' );
INSERT INTO CAR_REVIEW (REVIEW_ID ,CUSTOMER_ID , EMPLOYEE_ID , CAR_ID ,
CAR_REVIEW_COMMENT) VALUES (205 , 1005 , 5 ,9743,'Rude staff behavior.' );
INSERT INTO CAR_REVIEW (REVIEW_ID ,CUSTOMER_ID , EMPLOYEE_ID , CAR_ID ,
CAR_REVIEW_COMMENT) VALUES (206 , 1006 , 6 ,3468,'Impressive vehicle selection.' );
INSERT INTO CAR_REVIEW (REVIEW_ID ,CUSTOMER_ID , EMPLOYEE_ID , CAR_ID ,
CAR_REVIEW_COMMENT) VALUES (207 , 1007 , 7 ,7315,'Slow response time.' );
INSERT INTO CAR_REVIEW (REVIEW_ID ,CUSTOMER_ID , EMPLOYEE_ID , CAR_ID ,
CAR_REVIEW_COMMENT) VALUES (208 , 1008 , 8 ,5832,'Highly recommended! ');
INSERT INTO CAR_REVIEW (REVIEW_ID ,CUSTOMER_ID , EMPLOYEE_ID , CAR_ID ,
CAR_REVIEW_COMMENT) VALUES (209 , 1009 , 9 ,1907,'Incorrect billing charges.' );
INSERT INTO CAR_REVIEW (REVIEW_ID ,CUSTOMER_ID , EMPLOYEE_ID , CAR_ID ,
CAR_REVIEW_COMMENT) VALUES (210 , 1010 , 10 ,4265,'Friendly customer support.' );
INSERT INTO CAR_REVIEW (REVIEW_ID ,CUSTOMER_ID , EMPLOYEE_ID , CAR_ID ,
CAR_REVIEW_COMMENT) VALUES (211 , 1011 , 11 ,8791,'Vehicle condition issues.' );
INSERT INTO CAR_REVIEW (REVIEW_ID ,CUSTOMER_ID , EMPLOYEE_ID , CAR_ID ,
CAR_REVIEW_COMMENT) VALUES (212 , 1012 , 12 ,6542,'Outstanding experience! ');
INSERT INTO CAR_REVIEW (REVIEW_ID ,CUSTOMER_ID , EMPLOYEE_ID , CAR_ID ,
CAR_REVIEW_COMMENT) VALUES (213 , 1013 , 13 ,3128,'Unprofessional service.' );
INSERT INTO CAR_REVIEW (REVIEW_ID ,CUSTOMER_ID , EMPLOYEE_ID , CAR_ID ,
CAR_REVIEW_COMMENT) VALUES (214 , 1014 , 14 ,5937,'Prompt and reliable.' );
INSERT INTO CAR_REVIEW (REVIEW_ID ,CUSTOMER_ID , EMPLOYEE_ID , CAR_ID ,
CAR_REVIEW_COMMENT) VALUES (215 , 1015 , 15 ,1674,'Difficult reservation process.' );
INSERT INTO CAR_REVIEW (REVIEW_ID ,CUSTOMER_ID , EMPLOYEE_ID , CAR_ID ,
CAR_REVIEW_COMMENT) VALUES (216 , 1016 , 16 ,9420,'Top-notch customer service.' );
INSERT INTO CAR_REVIEW (REVIEW_ID ,CUSTOMER_ID , EMPLOYEE_ID , CAR_ID ,
CAR_REVIEW_COMMENT) VALUES (217 , 1017 , 17 ,4085,'Unexpected additional fees.' );
INSERT INTO CAR_REVIEW (REVIEW_ID ,CUSTOMER_ID , EMPLOYEE_ID , CAR_ID ,
CAR_REVIEW_COMMENT) VALUES (218 , 1018 , 18 ,7263,'Helpful and knowledgeable.' );
INSERT INTO CAR_REVIEW (REVIEW_ID ,CUSTOMER_ID , EMPLOYEE_ID , CAR_ID ,
CAR_REVIEW_COMMENT) VALUES (219 , 1019 , 19 ,5814,'Poor communication.' );
INSERT INTO CAR_REVIEW (REVIEW_ID ,CUSTOMER_ID , EMPLOYEE_ID , CAR_ID ,
CAR_REVIEW_COMMENT) VALUES (220 , 1020 , 20 ,2967,'Great value for money.' );

```

- **Rental agreement**

```

INSERT INTO RENTAL_AGREEMENT (AGREEMENT_ID , CUSTOMER_ID , CAR_ID ,METHOD_ID ,
STATUS_ID , EXTENSION_ID) VALUES (127,1001,8374,75,1,401);
INSERT INTO RENTAL_AGREEMENT (AGREEMENT_ID , CUSTOMER_ID , CAR_ID ,METHOD_ID ,
STATUS_ID , EXTENSION_ID) VALUES (128,1002,2156,76,2,402);
INSERT INTO RENTAL_AGREEMENT (AGREEMENT_ID , CUSTOMER_ID , CAR_ID ,METHOD_ID ,
STATUS_ID , EXTENSION_ID) VALUES (129,1003,6892,77,3,403);
INSERT INTO RENTAL_AGREEMENT (AGREEMENT_ID , CUSTOMER_ID , CAR_ID ,METHOD_ID ,
STATUS_ID , EXTENSION_ID) VALUES (130,1004,5210,78,4,404);
INSERT INTO RENTAL_AGREEMENT (AGREEMENT_ID , CUSTOMER_ID , CAR_ID ,METHOD_ID ,
STATUS_ID , EXTENSION_ID) VALUES (131,1005,9743,79,5,405);
INSERT INTO RENTAL_AGREEMENT (AGREEMENT_ID , CUSTOMER_ID , CAR_ID ,METHOD_ID ,
STATUS_ID , EXTENSION_ID) VALUES (132,1006,3468,80,6,406);
INSERT INTO RENTAL_AGREEMENT (AGREEMENT_ID , CUSTOMER_ID , CAR_ID ,METHOD_ID ,
STATUS_ID , EXTENSION_ID) VALUES (133,1007,7315,81,7,407);
INSERT INTO RENTAL_AGREEMENT (AGREEMENT_ID , CUSTOMER_ID , CAR_ID ,METHOD_ID ,
STATUS_ID , EXTENSION_ID) VALUES (134,1008,5832,82,8,408);
INSERT INTO RENTAL_AGREEMENT (AGREEMENT_ID , CUSTOMER_ID , CAR_ID ,METHOD_ID ,
STATUS_ID , EXTENSION_ID) VALUES (135,1009,1907,83,9,409);
INSERT INTO RENTAL_AGREEMENT (AGREEMENT_ID , CUSTOMER_ID , CAR_ID ,METHOD_ID ,
STATUS_ID , EXTENSION_ID) VALUES (136,1010,4265,84,10,410);
INSERT INTO RENTAL_AGREEMENT (AGREEMENT_ID , CUSTOMER_ID , CAR_ID ,METHOD_ID ,
STATUS_ID , EXTENSION_ID) VALUES (137,1011,8791,85,11,411);
INSERT INTO RENTAL_AGREEMENT (AGREEMENT_ID , CUSTOMER_ID , CAR_ID ,METHOD_ID ,
STATUS_ID , EXTENSION_ID) VALUES (138,1012,6542,86,12,412);
INSERT INTO RENTAL_AGREEMENT (AGREEMENT_ID , CUSTOMER_ID , CAR_ID ,METHOD_ID ,
STATUS_ID , EXTENSION_ID) VALUES (139,1013,3128,87,13,413);
INSERT INTO RENTAL_AGREEMENT (AGREEMENT_ID , CUSTOMER_ID , CAR_ID ,METHOD_ID ,
STATUS_ID , EXTENSION_ID) VALUES (140,1014,5937,88,14,414);
INSERT INTO RENTAL_AGREEMENT (AGREEMENT_ID, CUSTOMER_ID, CAR_ID, METHOD_ID,
STATUS_ID, EXTENSION_ID)VALUES (141, 1015, 1674, 89, 16, NULL);
INSERT INTO RENTAL_AGREEMENT (AGREEMENT_ID, CUSTOMER_ID, CAR_ID, METHOD_ID,
STATUS_ID, EXTENSION_ID)VALUES (142, 1016, 9420, 90, 17, NULL);
INSERT INTO RENTAL_AGREEMENT (AGREEMENT_ID, CUSTOMER_ID, CAR_ID, METHOD_ID,
STATUS_ID, EXTENSION_ID)VALUES (143, 1017, 4085, 91, 18, NULL);
INSERT INTO RENTAL_AGREEMENT (AGREEMENT_ID, CUSTOMER_ID, CAR_ID, METHOD_ID,
STATUS_ID, EXTENSION_ID)VALUES (144, 1018, 7263, 92, 19, NULL);
INSERT INTO RENTAL_AGREEMENT (AGREEMENT_ID, CUSTOMER_ID, CAR_ID, METHOD_ID,
STATUS_ID, EXTENSION_ID)VALUES (145, 1019, 5814, 93, 20, NULL);
INSERT INTO RENTAL_AGREEMENT (AGREEMENT_ID, CUSTOMER_ID, CAR_ID, METHOD_ID,
STATUS_ID, EXTENSION_ID)VALUES (146, 1020, 2967, 94, 15, NULL);

```

- **Transaction**

```

INSERT INTO TRANSACTION (TRANSACTION_ID, AGREEMENT_ID, TRANSACTION_DATE,
AMOUNT)VALUES (5003, 127, TO_DATE('1/7/2023', 'MM/DD/YYYY'), 10000);
INSERT INTO TRANSACTION (TRANSACTION_ID, AGREEMENT_ID, TRANSACTION_DATE,
AMOUNT)VALUES (5004, 128, TO_DATE('1/14/2023', 'MM/DD/YYYY'), 13000);
INSERT INTO TRANSACTION (TRANSACTION_ID, AGREEMENT_ID, TRANSACTION_DATE,
AMOUNT)VALUES (5005, 129, TO_DATE('1/21/2023', 'MM/DD/YYYY'), 11000);
INSERT INTO TRANSACTION (TRANSACTION_ID, AGREEMENT_ID, TRANSACTION_DATE,
AMOUNT)VALUES (5006, 130, TO_DATE('1/27/2023', 'MM/DD/YYYY'), 18000);
INSERT INTO TRANSACTION (TRANSACTION_ID, AGREEMENT_ID, TRANSACTION_DATE,
AMOUNT)VALUES (5007, 131, TO_DATE('2/3/2023', 'MM/DD/YYYY'), 12000);

```

```
INSERT INTO TRANSACTION (TRANSACTION_ID, AGREEMENT_ID, TRANSACTION_DATE,
AMOUNT)VALUES (5008, 132, TO_DATE('2/10/2023', 'MM/DD/YYYY'), 10000);
INSERT INTO TRANSACTION (TRANSACTION_ID, AGREEMENT_ID, TRANSACTION_DATE,
AMOUNT)VALUES (5009, 133, TO_DATE('2/17/2023', 'MM/DD/YYYY'), 19000);
INSERT INTO TRANSACTION (TRANSACTION_ID, AGREEMENT_ID, TRANSACTION_DATE,
AMOUNT)VALUES (5010, 134, TO_DATE('2/24/2023', 'MM/DD/YYYY'), 12000);
INSERT INTO TRANSACTION (TRANSACTION_ID, AGREEMENT_ID, TRANSACTION_DATE,
AMOUNT)VALUES (5011, 135, TO_DATE('3/3/2023', 'MM/DD/YYYY'), 19000);
INSERT INTO TRANSACTION (TRANSACTION_ID, AGREEMENT_ID, TRANSACTION_DATE,
AMOUNT)VALUES (5012, 136, TO_DATE('3/10/2023', 'MM/DD/YYYY'), 14000);
INSERT INTO TRANSACTION (TRANSACTION_ID, AGREEMENT_ID, TRANSACTION_DATE,
AMOUNT)VALUES (5014, 137, TO_DATE('3/17/2023', 'MM/DD/YYYY'), 12000);
INSERT INTO TRANSACTION (TRANSACTION_ID, AGREEMENT_ID, TRANSACTION_DATE,
AMOUNT)VALUES (5013, 138, TO_DATE('3/24/2023', 'MM/DD/YYYY'), 21000);
INSERT INTO TRANSACTION (TRANSACTION_ID, AGREEMENT_ID, TRANSACTION_DATE,
AMOUNT)VALUES (5015, 139, TO_DATE('3/31/2023', 'MM/DD/YYYY'), 22000);
INSERT INTO TRANSACTION (TRANSACTION_ID, AGREEMENT_ID, TRANSACTION_DATE,
AMOUNT)VALUES (5016, 140, TO_DATE('4/7/2023', 'MM/DD/YYYY'), 43000);
INSERT INTO TRANSACTION (TRANSACTION_ID, AGREEMENT_ID, TRANSACTION_DATE,
AMOUNT)VALUES (5017, 141, TO_DATE('4/14/2023', 'MM/DD/YYYY'), 23000);
INSERT INTO TRANSACTION (TRANSACTION_ID, AGREEMENT_ID, TRANSACTION_DATE,
AMOUNT)VALUES (5018, 142, TO_DATE('4/21/2023', 'MM/DD/YYYY'), 41000);
INSERT INTO TRANSACTION (TRANSACTION_ID, AGREEMENT_ID, TRANSACTION_DATE,
AMOUNT)VALUES (5019, 143, TO_DATE('4/28/2023', 'MM/DD/YYYY'), 20000);
INSERT INTO TRANSACTION (TRANSACTION_ID, AGREEMENT_ID, TRANSACTION_DATE,
AMOUNT)VALUES (5020, 144, TO_DATE('5/5/2023', 'MM/DD/YYYY'), 11200);
INSERT INTO TRANSACTION (TRANSACTION_ID, AGREEMENT_ID, TRANSACTION_DATE,
AMOUNT)VALUES (5021, 145, TO_DATE('5/12/2023', 'MM/DD/YYYY'), 10000);
INSERT INTO TRANSACTION (TRANSACTION_ID, AGREEMENT_ID, TRANSACTION_DATE,
AMOUNT)VALUES (5022, 146, TO_DATE('5/19/2023', 'MM/DD/YYYY'), 12990);
```

7. DIFFERENT TYPE OF USERS AND PRIVILEGES

User	Email	Account Type	Locked	Builder Last Login	Created
WWW.HAMEDUSEER@GMAIL.COM	hameduseer@gmail.com	Developer	No	-	10 days ago
MARIAMBAFAYEG@GMAIL.COM	mariam.farouk@gmail.com	Developer	No	-	10 days ago
POWELNABAH@GMAIL.COM	poynel.nabeha@gmail.com	Developer	No	-	10 days ago
TRYNABAZHAB884@GMAIL.COM	trynabazhah884@gmail.com	Developer	No	-	10 days ago
ZAHABAZHAB@CLIVEDUNEDU.PK	zabazhah884@clivedunet.edu.pk	Workspace Administrator	No	27 minutes ago	4 months ago

8. QUERIES

• SINGLE ROW FUNCTION

- **Display the last name of all employees who have an a and s in their last name**

```
SELECT NAME FROM EMPLOYEE WHERE NAME LIKE '%a%' AND NAME LIKE '%s%';
```

- **Write SQL query that retrieves the "Car_Id" and the uppercase version of the "MODEL" column, aliased as "MODEL NAME", from the "CAR" table**

```
SELECT Car_Id, UPPER(MODEL) "MODEL NAME" FROM CAR;
```

- **Display the name discount_id concatenated with code , seperated by comma and space and name the column discount information**

```
SELECT discount_id || ', ' || code AS "Discount_information" FROM Discount;
```

• GROUP FUNCTION

- **Display the highest, lowest and sum amount of all transactions. Label the columns Maximum Amount, Minimum Amount and Total Amount respectively.**

```
SELECT  
MAX(Amount) AS "Maximum Amount", MIN(Amount) AS "Minimum Amount", SUM(Amount) AS "Total  
Amount" FROM Transaction;
```

- **Write a query to display the number of people with the same job.**

```
SELECT access_id, COUNT(*) FROM employee GROUP BY access_id;
```

- **Write query to display total number of cars**

```
SELECT COUNT(*) as "Total No Of Cars" FROM CAR;
```

• SUBQUERY

- **Retrieve the names, emails, and access IDs of all employees whose access ID matches the access ID of employees with an admin ID of 1.**

```
SELECT name, email , access_ID FROM employee WHERE access_id IN (SELECT access_id FROM employee  
WHERE admin_id = 1);
```

- **Retrieve the comments from car reviews where the customer's ID is associated with a car review for a specific car with the ID '7315'.**

```
SELECT car_review_Comment FROM Car_Review  
WHERE Customer_ID IN (SELECT Customer_ID FROM Car_Review WHERE Car_ID = '7315');
```

- **Retrieve the Agreement IDs from the Rental Agreement table where the customers' IDs match the IDs of customers who have used a payment method with the ID '86'.**

```
SELECT Agreement_ID FROM Rental_Agreement WHERE Customer_ID IN ( SELECT Customer_ID  
FROM Rental_Agreement WHERE Method_ID = '86');
```

- **JOINS**

- **Retrieve all columns from the Car Maintenance table and the Car table, where the Car Maintenance records are linked to the corresponding Car records based on the Car ID.**

```
SELECT * FROM car_maintenance INNER JOIN car ON car_maintenance.car_id = car.car_id;
```

- **Retrieve the Employee ID, Name, Admin ID, and Admin Name from the Employee table, where each employee's admin is represented by another employee in the same table.**

```
SELECT e.employee_id, e.name, a.admin_id, a.name FROM employee e JOIN employee a ON e.admin_id = a.employee_id;
```

- **Retrieve all columns from the Customer and Rental_Agreement tables, combining the rows where the customer IDs in the Customer table are associated with the corresponding customer IDs in the Rental_Agreement table.**

```
SELECT * FROM Customer INNER JOIN Rental_Agreement ON Customer.Customer_ID = Rental_Agreement.Customer_ID;
```

9.CONCLUSION:

In conclusion, our Car Rental System offers a transformative solution that simplifies and enhances the car rental experience. With user-friendly online booking, transparent pricing, and flexible options, we provide convenience and peace of mind to customers. By streamlining administrative tasks and integrating with other systems, our platform empowers car rental companies to optimize operations and drive success. Join us in embracing a future of efficient and seamless mobility with our innovative Car Rental System.