**Car Renting System**

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**Table Definitions:**

CREATE TABLE User\_table (

userID NUMBER PRIMARY KEY,

username VARCHAR2(50),

password VARCHAR2(50),

license\_number NUMBER

);

CREATE TABLE Car\_table (

CarID NUMBER PRIMARY KEY,

Cost NUMBER,

Model VARCHAR2(50),

IS\_Rented NUMBER(1) -- 0 = not rented, 1 = rented

);

CREATE TABLE Rental\_table (

RentalID NUMBER PRIMARY KEY,

CarID NUMBER,

userID NUMBER,

Rental\_Startdate DATE,

Rental\_Enddate DATE,

FOREIGN KEY (CarID) REFERENCES Car\_table(CarID),

FOREIGN KEY (userID) REFERENCES User\_table(userID)

);

CREATE TABLE Payment\_table (

PaymentID NUMBER PRIMARY KEY,

RentalID NUMBER,

Payment\_Date DATE,

Payment\_Method VARCHAR2(30),

FOREIGN KEY (RentalID) REFERENCES Rental\_table(RentalID)

);

CREATE TABLE Rating\_table (

RatingID NUMBER PRIMARY KEY,

RentalID NUMBER,

Rating NUMBER CHECK (Rating BETWEEN 1 AND 5),

FOREIGN KEY (RentalID) REFERENCES Rental\_table(RentalID)

);

CREATE TABLE admin\_table (

adminID NUMBER PRIMARY KEY,

adminname VARCHAR2(50),

password VARCHAR2(50)

);

**Sample Data Inserts:**

--Insert admin

INSERT INTO admin\_table VALUES (1, 'Admin', '123');

INSERT INTO admin\_table VALUES (2, 'Admin2', '456');

-- Insert Users

INSERT INTO User\_table VALUES (1, 'john\_doe', 'pass123', 1234567);

INSERT INTO User\_table VALUES (2, 'jane\_smith', 'secret456', 7654321);

-- Insert Cars

INSERT INTO Car\_table VALUES (100, 30000, 'Toyota Corolla', 0);

INSERT INTO Car\_table VALUES (101, 45000, 'Honda Civic', 0);

INSERT INTO Car\_table VALUES (102, 55000, 'Tesla Model 3', 1);

-- Insert Rental

INSERT INTO Rental\_table VALUES (

1, 102, 1,

TO\_DATE ('2025-04-01', 'YYYY-MM-DD'),

TO\_DATE('2025-04-10', 'YYYY-MM-DD')

);

**Stored Procedures:**

Create or replace PROCEDURE CHECKADMINNAME (

name1 varchar2 ,

password1 varchar2 ,

id2 out number

)

AS

BEGIN

Select adminID into id2

from admin\_table

where adminname = name1 and password = password1;

EXCEPTION

WHEN NO\_DATA\_FOUND THEN

Id2:=-1;

END CHECKADMINNAME;

Create or replace PROCEDURE CHECKUSERNAME (

name1 varchar2 ,

password1 varchar2 ,

id2 out number

)

AS

BEGIN

select userID into id2

from user\_table

where username = name1 and password = password1;

EXCEPTION

WHEN NO\_DATA\_FOUND THEN

id2:=-1;

END CHECKUSERNAME;

Create or replace PROCEDURE CREATE\_ID (

new\_id out number

)

AS

BEGIN

Select max(rentalid) Into new\_id From rental\_table;

EXCEPTION

WHEN NO\_DATA\_FOUND THEN

New\_id:=-1;

END CREATE\_ID;

Create or replace PROCEDURE CREATE\_RATE\_ID (

new\_id out number

)

AS

BEGIN

Select max(ratingid) Into new\_id From rating\_table;

EXCEPTION

WHEN NO\_DATA\_FOUND THEN

New\_id:=-1;

END CREATE\_RATE\_ID;

create or replace PROCEDURE GETAVAILABLECARS (

CID out sys\_refcursor

)

AS

BEGIN

open CID for

select carID,cost,model

from car\_table

where is\_rented = 0;

END GETAVAILABLECARS;

create or replace PROCEDURE GETUSER (

userid2 in number ,

username2 out varchar2 ,

LICENSE\_NUMBER2 out number

)

AS

BEGIN

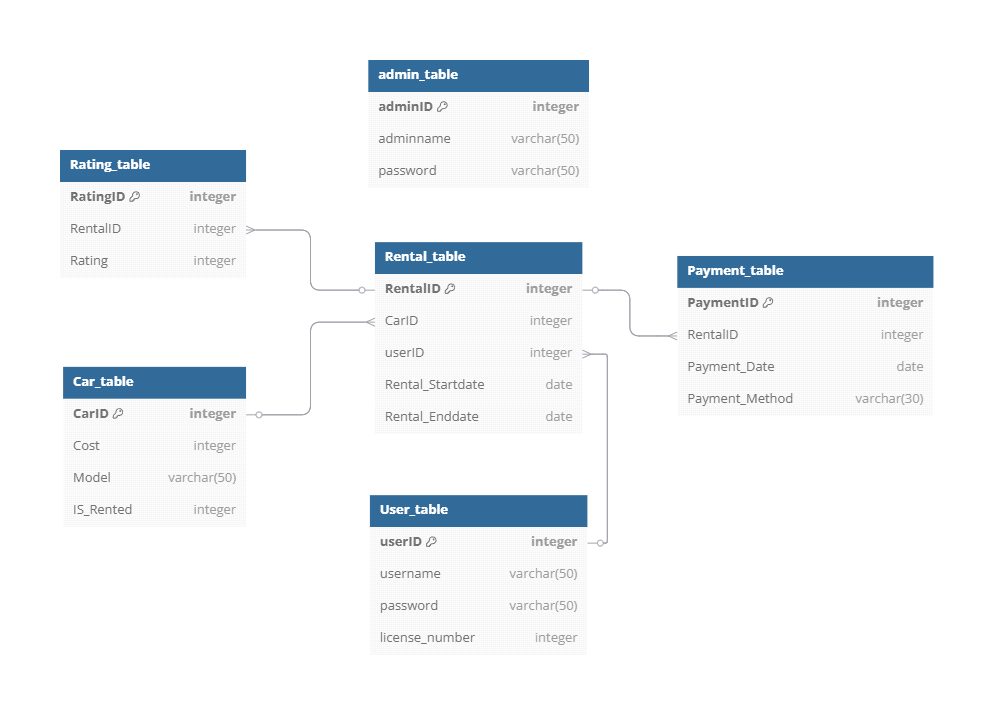
select username , LICENSE\_NUMBER

into username2, LICENSE\_NUMBER2

from user\_table

where userid = userid2;

END GETUSER;

**Database Schema:**