**Trivago Database Script**

DROP TABLE MyReservations CASCADE CONSTRAINTS;

DROP TABLE MyRooms CASCADE CONSTRAINTS;

DROP TABLE MyHotels CASCADE CONSTRAINTS;

DROP TABLE MyUsers CASCADE CONSTRAINTS;

CREATE TABLE MyUsers (

user\_id INT PRIMARY KEY,

username VARCHAR2(50) NOT NULL,

email VARCHAR2(150) NOT NULL,

password VARCHAR2(150) NOT NULL,

role VARCHAR2(10) NOT NULL CHECK (role IN ('user', 'admin')),

registration\_date TIMESTAMP DEFAULT CURRENT\_TIMESTAMP

);

CREATE TABLE MyHotels (

hotel\_id INT PRIMARY KEY,

name VARCHAR2(255),

location VARCHAR2(255),

star\_rating INT,

description CLOB,

amenities VARCHAR2(255),

image\_url VARCHAR2(255)

);

CREATE TABLE MyRooms (

room\_id INT PRIMARY KEY,

hotel\_id INT,

room\_type VARCHAR2(50),

price DECIMAL(10,2),

capacity INT,

FOREIGN KEY (hotel\_id) REFERENCES MyHotels(hotel\_id) -- Corrected table reference

);

CREATE TABLE MyReservations (

reservation\_id INT PRIMARY KEY,

user\_id INT,

hotel\_id INT,

room\_id INT,

check\_in\_date DATE,

check\_out\_date DATE,

guest\_count INT,

status VARCHAR2(50),

FOREIGN KEY (user\_id) REFERENCES MyUsers(user\_id), -- Corrected table reference

FOREIGN KEY (hotel\_id) REFERENCES MyHotels(hotel\_id), -- Corrected table reference

FOREIGN KEY (room\_id) REFERENCES MyRooms(room\_id) -- Corrected table reference

);

-- Insert Sample Data into MyUsers Table:

INSERT INTO MyUsers (user\_id, username, email, password, role)

VALUES (1, 'user1', 'user1@example.com', 'password1', 'user');

INSERT INTO MyUsers (user\_id, username, email, password, role)

VALUES (2, 'user2', 'user2@example.com', 'password2', 'admin');

INSERT INTO MyUsers (user\_id, username, email, password, role)

VALUES (3, 'df', 'df@example.com', 'df', 'user');

INSERT INTO MyUsers (user\_id, username, email, password, role)

VALUES (4, 'mohamed Ragab', 'mohamedRagab@example.com', '123', 'admin');

-- -----------------------------------------------------------------------------User

-- Insert Sample Data into MyHotels Table:

INSERT INTO MyHotels (hotel\_id, name, location, star\_rating, description, amenities, image\_url)

VALUES (1, 'Hilton', 'cairo', 4, 'Description of Hotel Hilton', 'Pool, Gym, Spa', 'image\_url\_1');

INSERT INTO MyHotels (hotel\_id, name, location, star\_rating, description, amenities, image\_url)

VALUES (2, 'Four Seasons', 'cairo', 3, 'Description of Hotel Four Seasons', 'Restaurant, Bar', 'image\_url\_2');

INSERT INTO MyHotels (hotel\_id, name, location, star\_rating, description, amenities, image\_url)

VALUES (3, 'Amanpuri', 'cairo', 3, 'Description of Hotel Amanpuri', 'Restaurant, Bar', 'image\_url\_3');

INSERT INTO MyHotels (hotel\_id, name, location, star\_rating, description, amenities, image\_url)

VALUES (4, 'Marriott', 'dhubi', 3, 'Description of Hotel Marriott', 'Restaurant, Bar', 'image\_url\_4');

INSERT INTO MyHotels (hotel\_id, name, location, star\_rating, description, amenities, image\_url)

VALUES (5, 'Oberoi', 'dhubi', 3, 'Description of Hotel Oberoi', 'Restaurant, Bar', 'image\_url\_5');

INSERT INTO MyHotels (hotel\_id, name, location, star\_rating, description, amenities, image\_url)

VALUES (6, 'Emirates Palace', 'dhubi', 3, 'Description of Hotel Emirates Palace', 'Restaurant, Bar', 'image\_url\_6');

-- -------------------------------------------------------------------------------------------------------------------Hotel

-- Insert Sample Data into MyRooms Table:

INSERT INTO MyRooms (room\_id, hotel\_id, room\_type, price, capacity)

VALUES (1, 1, 'Standard', 100.00, 2);

INSERT INTO MyRooms (room\_id, hotel\_id, room\_type, price, capacity)

VALUES (2, 1, 'Suite', 250.00, 4);

INSERT INTO MyRooms (room\_id, hotel\_id, room\_type, price, capacity)

VALUES (3, 2, 'Standard', 80.00, 2);

INSERT INTO MyRooms (room\_id, hotel\_id, room\_type, price, capacity)

VALUES (4, 4, 'Suite', 120.00, 3);

INSERT INTO MyRooms (room\_id, hotel\_id, room\_type, price, capacity)

VALUES (5, 5, 'Standard', 150.00, 5);

INSERT INTO MyRooms (room\_id, hotel\_id, room\_type, price, capacity)

VALUES (6, 6, 'Suite', 200.00, 6);

-- -------------------------------------------------------------------------------------------------------------------Room

-- Insert sample data into MyReservations table

INSERT INTO MyReservations (reservation\_id, user\_id, hotel\_id, room\_id, check\_in\_date, check\_out\_date, guest\_count, status)

VALUES (1, 1, 1, 1, DATE '2024-05-10', DATE '2024-05-15', 2, 'Confirmed');

INSERT INTO MyReservations (reservation\_id, user\_id, hotel\_id, room\_id, check\_in\_date, check\_out\_date, guest\_count, status)

VALUES (2, 2, 2, 3, DATE '2024-06-01', DATE '2024-06-05', 2, 'Confirmed');

-- -------------------------------------------------------------------------------------------------------------------Reservation

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select \*

FROM myusers;

SELECT \*

from MyHotels;

SELECT \*

from MyRooms;

SELECT \*

from myreservations;

**Store Procedure**

**GetUserProfile:**

create or replace

PROCEDURE GetUserProfile (

p\_user\_id IN NUMBER,

p\_username OUT VARCHAR2,

p\_email OUT VARCHAR2,

p\_password OUT VARCHAR2,

p\_role OUT VARCHAR2

) AS

BEGIN

SELECT username, email, password, role INTO p\_username, p\_email, p\_password, p\_role

FROM MyUsers

WHERE user\_id = p\_user\_id;

END;

**GetHotelsByName:**

create or replace

PROCEDURE GetHotelsByName (

p\_hotelName IN VARCHAR2,

p\_result OUT SYS\_REFCURSOR

) AS

BEGIN

OPEN p\_result FOR

SELECT \* FROM MyHotels WHERE name LIKE '%' || p\_hotelName || '%';

END;

**GetHotelsLocation:**

create or replace

PROCEDURE GetHotelsLocation (

p\_hotelLocation IN VARCHAR2,

p\_result OUT SYS\_REFCURSOR

) AS

BEGIN

OPEN p\_result FOR

SELECT \* FROM MyHotels WHERE location LIKE '%' || p\_hotelLocation || '%';

END;