**SQL DATABASE**

DROP DATABASE IF EXISTS Airbnb;

CREATE DATABASE Airbnb;

DROP TABLE UserData;

CREATE TABLE UserData

(

UserID VARCHAR(512),

Username VARCHAR(512),

Email VARCHAR(512),

Status VARCHAR(512),

CONSTRAINT PK\_UserData PRIMARY KEY (UserID)

);

INSERT INTO UserData (UserID, Username, Email, Status ) VALUES ('GU137026', 'Ton\_Fede\_Hernandez', 'tonfedehernandez@example.com', 'Guest ');

INSERT INTO UserData (UserID, Username, Email, Status ) VALUES ('HO155548', 'Maria\_Johnson', 'mariajohnson@example.com', 'Host');

INSERT INTO UserData (UserID, Username, Email, Status ) VALUES ('GU158633', 'Marlouke\_Jones', 'marloukejones@example.com', 'Guest ');

INSERT INTO UserData (UserID, Username, Email, Status ) VALUES ('HO162467', 'Nicole\_Rodriguez', 'nicolerodriguez@example.com', 'Host');

INSERT INTO UserData (UserID, Username, Email, Status ) VALUES ('GU168769', 'Riks\_Davis', 'riksdavis@example.com', 'Guest ');

INSERT INTO UserData (UserID, Username, Email, Status ) VALUES ('HO171054', 'Kamiel\_Miller', 'kamielmiller@example.com', 'Host');

INSERT INTO UserData (UserID, Username, Email, Status ) VALUES ('GU179528', 'Pierre\_Williams', 'pierrewilliams@example.com', 'Guest ');

INSERT INTO UserData (UserID, Username, Email, Status ) VALUES ('HO189754', 'Marijn\_Wilson', 'marijnwilson@example.com', 'Host');

INSERT INTO UserData (UserID, Username, Email, Status ) VALUES ('GU190943', 'Nanna\_Brown', 'nannabrown@example.com', 'Guest ');

INSERT INTO UserData (UserID, Username, Email, Status ) VALUES ('HO193038', 'Johan\_Gonzalez', 'johangonzalez@example.com', 'Host');

INSERT INTO UserData (UserID, Username, Email, Status ) VALUES ('GU212050', 'Danielle\_Lopez', 'daniellelopez@example.com', 'Guest ');

INSERT INTO UserData (UserID, Username, Email, Status ) VALUES ('HO213371', 'Hendrik\_Anderson', 'hendrikanderson@example.com', 'Host');

INSERT INTO UserData (UserID, Username, Email, Status ) VALUES ('GU214531', 'Henry\_Martinez', 'henrymartinez@example.com', 'Guest ');

INSERT INTO UserData (UserID, Username, Email, Status ) VALUES ('HO219276', 'Alex\_Garcia', 'alexgarcia@example.com', 'Host');

DROP TABLE PhoneNumbers

CREATE TABLE PhoneNumbers

(

PhoneNumber VARCHAR(512),

UserID VARCHAR(512),

CONSTRAINT PK\_PhoneNumbers PRIMARY KEY (PhoneNumber),

CONSTRAINT FK\_PhoneNumber\_UserData FOREIGN KEY (UserID) REFERENCES UserData(UserID)

);

INSERT INTO PhoneNumbers (PhoneNumber, UserID) VALUES ('3818016007', 'GU137026');

INSERT INTO PhoneNumbers (PhoneNumber, UserID) VALUES ('3234988133', 'HO155548');

INSERT INTO PhoneNumbers (PhoneNumber, UserID) VALUES ('9868512785', 'GU158633');

INSERT INTO PhoneNumbers (PhoneNumber, UserID) VALUES ('6489285096', 'HO162467');

INSERT INTO PhoneNumbers (PhoneNumber, UserID) VALUES ('5768179466', 'GU168769');

INSERT INTO PhoneNumbers (PhoneNumber, UserID) VALUES ('7188194413', 'HO171054');

INSERT INTO PhoneNumbers (PhoneNumber, UserID) VALUES ('8819856592', 'GU179528');

INSERT INTO PhoneNumbers (PhoneNumber, UserID) VALUES ('9092552572', 'HO189754');

INSERT INTO PhoneNumbers (PhoneNumber, UserID) VALUES ('7324007574', 'GU190943');

INSERT INTO PhoneNumbers (PhoneNumber, UserID) VALUES ('7206702678', 'HO193038');

INSERT INTO PhoneNumbers (PhoneNumber, UserID) VALUES ('6162723924', 'GU212050');

INSERT INTO PhoneNumbers (PhoneNumber, UserID) VALUES ('2125818010', 'HO213371');

INSERT INTO PhoneNumbers (PhoneNumber, UserID) VALUES ('7667606446', 'GU214531');

INSERT INTO PhoneNumbers (PhoneNumber, UserID) VALUES ('6292003446', 'HO219276');

INSERT INTO PhoneNumbers (PhoneNumber, UserID) VALUES ('2064875478', 'GU222516');

DROP TABLE Guests

CREATE TABLE Guests

(

Guest\_UserID VARCHAR(512),

LoyaltyPoints VARCHAR(512),

CONSTRAINT FK\_Guests\_UserData FOREIGN KEY (Guest\_UserID) REFERENCES UserData(UserID)

);

INSERT INTO Guests (Guest\_UserID, LoyaltyPoints) VALUES ('GU137026', '4997 points');

INSERT INTO Guests (Guest\_UserID, LoyaltyPoints) VALUES ('GU158633', '3435 points');

INSERT INTO Guests (Guest\_UserID, LoyaltyPoints) VALUES ('GU168769', '4287 points');

INSERT INTO Guests (Guest\_UserID, LoyaltyPoints) VALUES ('GU179528', '5690 points');

INSERT INTO Guests (Guest\_UserID, LoyaltyPoints) VALUES ('GU190943', '8117 points');

INSERT INTO Guests (Guest\_UserID, LoyaltyPoints) VALUES ('GU212050', '6011 points');

INSERT INTO Guests (Guest\_UserID, LoyaltyPoints) VALUES ('GU214531', '8116 points');

DROP TABLE Hosts

CREATE TABLE Hosts

(

Host\_UserID VARCHAR(512),

SuperHostStatus VARCHAR(512),

CONSTRAINT FK\_Hosts\_UserData FOREIGN KEY (Host\_UserID) REFERENCES UserData(UserID)

);

INSERT INTO Hosts (Host\_UserID, SuperHostStatus) VALUES ('HO155548', 'Yes');

INSERT INTO Hosts (Host\_UserID, SuperHostStatus) VALUES ('HO162467', 'No');

INSERT INTO Hosts (Host\_UserID, SuperHostStatus) VALUES ('HO171054', 'Yes');

INSERT INTO Hosts (Host\_UserID, SuperHostStatus) VALUES ('HO189754', 'No');

INSERT INTO Hosts (Host\_UserID, SuperHostStatus) VALUES ('HO193038', 'Yes');

INSERT INTO Hosts (Host\_UserID, SuperHostStatus) VALUES ('HO213371', 'No');

INSERT INTO Hosts (Host\_UserID, SuperHostStatus) VALUES ('HO219276', 'Yes');

DROP TABLE Property

CREATE TABLE Property

(

PropertyID VARCHAR(512),

RoomType VARCHAR(512),

Rating FLOAT,

PricePerNight INT,

Street VARCHAR(512),

City VARCHAR(512),

Zip INT,

Host\_UserID VARCHAR(512),

CONSTRAINT PK\_Property PRIMARY KEY (PropertyID),

CONSTRAINT FK\_Property\_Hosts\_UserData FOREIGN KEY (Host\_UserID) REFERENCES UserData(UserID)

);

INSERT INTO Property (PropertyID, RoomType, Rating, PricePerNight, Street, City, Zip, Host\_UserID) VALUES ('11536043', 'Studio ', '5.0', '150', 'Cedar Crest Lane', 'Metroville', '43311', 'HO155548');

INSERT INTO Property (PropertyID, RoomType, Rating, PricePerNight, Street, City, Zip, Host\_UserID) VALUES ('22761648', '1Bedroom ', '4.9', '200', 'Maple Avenue', 'Metroville', '41452', 'HO162467');

INSERT INTO Property (PropertyID, RoomType, Rating, PricePerNight, Street, City, Zip, Host\_UserID) VALUES ('73305590', '2Bedroom ', '4.6', '300', 'Elm Street', 'Metroville', '39113', 'HO171054');

INSERT INTO Property (PropertyID, RoomType, Rating, PricePerNight, Street, City, Zip, Host\_UserID) VALUES ('50972762', 'PrivateRoom ', '4.7', '125', 'River Road', 'Metroville', '64492', 'HO189754');

INSERT INTO Property (PropertyID, RoomType, Rating, PricePerNight, Street, City, Zip, Host\_UserID) VALUES ('13271240', 'Studio ', '4.2', '150', 'Parkside Drive', 'Metroville', '80216', 'HO193038');

INSERT INTO Property (PropertyID, RoomType, Rating, PricePerNight, Street, City, Zip, Host\_UserID) VALUES ('91675183', '1Bedroom ', '4.1', '200', 'Willow Way', 'Metroville', '19855', 'HO213371');

INSERT INTO Property (PropertyID, RoomType, Rating, PricePerNight, Street, City, Zip, Host\_UserID) VALUES ('83432302', '2Bedroom ', '4.0', '300', 'Sunnybrook Circle', 'Metroville', '47851', 'HO219276');

DROP TABLE Media

CREATE TABLE Media

(

MediaUrl VARCHAR(512),

PropertyID VARCHAR(512),

CONSTRAINT PK\_Media PRIMARY KEY (MediaURL),

CONSTRAINT FK\_Media\_PropertyID FOREIGN KEY (PropertyID) REFERENCES Property(PropertyID)

);

INSERT INTO Media (MediaUrl, PropertyID) VALUES ('https://media.example.com/media1.avi', '11536043');

INSERT INTO Media (MediaUrl, PropertyID) VALUES ('https://media.example.com/media2.jpg', '22761648');

INSERT INTO Media (MediaUrl, PropertyID) VALUES ('https://media.example.com/media3.avi', '73305590');

INSERT INTO Media (MediaUrl, PropertyID) VALUES ('https://media.example.com/media4.avi', '50972762');

INSERT INTO Media (MediaUrl, PropertyID) VALUES ('https://media.example.com/media5.png', '13271240');

INSERT INTO Media (MediaUrl, PropertyID) VALUES ('https://media.example.com/media6.jpg', '91675183');

INSERT INTO Media (MediaUrl, PropertyID) VALUES ('https://media.example.com/media7.png', '83432302');

DROP TABLE Reservation

CREATE TABLE Reservation

(

ReservationID VARCHAR(512),

DateOfBooking VARCHAR(512),

StartDate VARCHAR(512),

EndDate VARCHAR(512),

TotalPrice DOUBLE,

Cancellation VARCHAR(512),

Guest\_UserID VARCHAR(512),

PropertyID VARCHAR(512),

CONSTRAINT PK\_Reservation PRIMARY KEY (ReservationID),

CONSTRAINT FK\_Reservation\_Guests\_UserData FOREIGN KEY (Guest\_UserID) REFERENCES UserData(UserID),

CONSTRAINT FK\_Reservation\_PropertyID FOREIGN KEY (PropertyID) REFERENCES Property(PropertyID)

);

INSERT INTO Reservation (ReservationID, DateOfBooking, StartDate, EndDate, TotalPrice, Cancellation, Guest\_UserID, PropertyID) VALUES ('VNWQAF', '2023-09-09', '2023-10-09', '2023-10-18', '1500.00', 'N', 'GU137026', '11536043');

INSERT INTO Reservation (ReservationID, DateOfBooking, StartDate, EndDate, TotalPrice, Cancellation, Guest\_UserID, PropertyID) VALUES ('M8U046', '2023-03-05', '2023-04-05', '2023-04-07', '400.00', 'N', 'GU158633', '22761648');

INSERT INTO Reservation (ReservationID, DateOfBooking, StartDate, EndDate, TotalPrice, Cancellation, Guest\_UserID, PropertyID) VALUES ('Z7LPMM', '2023-07-07', '2023-08-07', '2023-08-21', '2100.00', 'N', 'GU168769', '73305590');

INSERT INTO Reservation (ReservationID, DateOfBooking, StartDate, EndDate, TotalPrice, Cancellation, Guest\_UserID, PropertyID) VALUES ('CGEW3B', '2023-03-29', '2023-04-29', '2023-05-01', '250.00', 'N', 'GU179528', '50972762');

INSERT INTO Reservation (ReservationID, DateOfBooking, StartDate, EndDate, TotalPrice, Cancellation, Guest\_UserID, PropertyID) VALUES ('63SMU6', '2022-03-30', '2022-04-30', '2022-05-06', '900.00', 'N', 'GU190943', '13271240');

INSERT INTO Reservation (ReservationID, DateOfBooking, StartDate, EndDate, TotalPrice, Cancellation, Guest\_UserID, PropertyID) VALUES ('XUD0NI', '2022-09-10', '2022-10-10', '2022-10-24', '1400.00', 'N', 'GU212050', '91675183');

INSERT INTO Reservation (ReservationID, DateOfBooking, StartDate, EndDate, TotalPrice, Cancellation, Guest\_UserID, PropertyID) VALUES ('DVDKJ2', '2023-03-09', '2023-04-09', '2023-04-14', '1500.00', 'N', 'GU214531', '83432302');

DROP TABLE HostReviews

CREATE TABLE HostReviews

(

HostReviewID VARCHAR(512),

HostRating FLOAT,

Host\_UserID VARCHAR(512),

ReservationID VARCHAR(512),

CONSTRAINT PK\_HostReviews PRIMARY KEY (HostReviewID),

CONSTRAINT FK\_HostReviews\_Hosts\_UserData FOREIGN KEY (Host\_UserID) REFERENCES UserData(UserID),

CONSTRAINT FK\_HostReviews\_ReservationID FOREIGN KEY (ReservationID) REFERENCES Reservation(ReservationID)

);

INSERT INTO HostReviews (HostReviewID, HostRating, Host\_UserID, ReservationID) VALUES ('MG15IXL4', '5.00', 'HO155548', 'VNWQAF');

INSERT INTO HostReviews (HostReviewID, HostRating, Host\_UserID, ReservationID) VALUES ('8RPN2BVE', ‘4.60', 'HO162467', 'M8U046');

INSERT INTO HostReviews (HostReviewID, HostRating, Host\_UserID, ReservationID) VALUES ('8TT5TTAV', ‘4.30', 'HO171054', 'Z7LPMM');

INSERT INTO HostReviews (HostReviewID, HostRating, Host\_UserID, ReservationID) VALUES ('5HKKASQJ', '4.00', 'HO189754', 'CGEW3B');

INSERT INTO HostReviews (HostReviewID, HostRating, Host\_UserID, ReservationID) VALUES ('4CBQHXZV', '4.50', 'HO193038', '63SMU6');

INSERT INTO HostReviews (HostReviewID, HostRating, Host\_UserID, ReservationID) VALUES ('01Q3CQWW', '4.30', 'HO213371', 'XUD0NI');

INSERT INTO HostReviews (HostReviewID, HostRating, Host\_UserID, ReservationID) VALUES ('1NY0QHQK', '4.20', 'HO219276', 'DVDKJ2');

DROP TABLE GuestReviews

CREATE TABLE GuestReviews

(

GuestReviewID VARCHAR(512),

GuestRating FLOAT,

Guest\_UserID VARCHAR(512),

ReservationID VARCHAR(512),

CONSTRAINT PK\_GuestReviews PRIMARY KEY (GuestReviewID),

CONSTRAINT FK\_GuestReviews\_Guests\_UserData FOREIGN KEY (Guest\_UserID) REFERENCES UserData(UserID),

CONSTRAINT FK\_GuestReviews\_ReservationID FOREIGN KEY (ReservationID) REFERENCES Reservation(ReservationID)

);

INSERT INTO GuestReviews (GuestReviewID, GuestRating, Guest\_UserID, ReservationID) VALUES ('B5OXDCIT', '5.00', 'GU137026', 'VNWQAF');

INSERT INTO GuestReviews (GuestReviewID, GuestRating, Guest\_UserID, ReservationID) VALUES ('QDIGCKXZ', '4.80', 'GU158633', 'M8U046');

INSERT INTO GuestReviews (GuestReviewID, GuestRating, Guest\_UserID, ReservationID) VALUES ('9OB9LKRE', '4.90', 'GU168769', 'Z7LPMM');

INSERT INTO GuestReviews (GuestReviewID, GuestRating, Guest\_UserID, ReservationID) VALUES ('JIRD8MCR', ‘4.60', 'GU179528', 'CGEW3B');

INSERT INTO GuestReviews (GuestReviewID, GuestRating, Guest\_UserID, ReservationID) VALUES ('I0IQT00G', '4.50', 'GU190943', '63SMU6');

INSERT INTO GuestReviews (GuestReviewID, GuestRating, Guest\_UserID, ReservationID) VALUES ('0L4YLJ6G', '4.30', 'GU212050', 'XUD0NI');

INSERT INTO GuestReviews (GuestReviewID, GuestRating, Guest\_UserID, ReservationID) VALUES ('6FQ8TG9H', ‘4.60', 'GU214531', 'DVDKJ2');

Drop Table Payments

CREATE TABLE Payments

(

PaymentID VARCHAR(512),

PaymentDate VARCHAR(512),

Price FLOAT,

Guest\_UserID VARCHAR(512),

ReservationID VARCHAR(512),

CONSTRAINT PK\_Payments PRIMARY KEY (PaymentID),

CONSTRAINT FK\_Payments\_Guests\_UserData FOREIGN KEY (Guest\_UserID) REFERENCES UserData(UserID),

CONSTRAINT FK\_Payments\_ReservationID FOREIGN KEY (ReservationID) REFERENCES Reservation(ReservationID)

);

INSERT INTO Payments (PaymentID, PaymentDate, Price, Guest\_UserID, ReservationID) VALUES ('JQGOHULWIA', '19/09/2023', '1500.00', 'GU137026', 'VNWQAF');

INSERT INTO Payments (PaymentID, PaymentDate, Price, Guest\_UserID, ReservationID) VALUES ('ETCR3JYVV4', '25/03/2023', '400.00', 'GU158633', 'M8U046');

INSERT INTO Payments (PaymentID, PaymentDate, Price, Guest\_UserID, ReservationID) VALUES ('3O7ZAW7RDU', '16/07/2023', '2100.00', 'GU168769', 'Z7LPMM');

INSERT INTO Payments (PaymentID, PaymentDate, Price, Guest\_UserID, ReservationID) VALUES ('VNNSB1I4SQ', '29/03/2023', '250.00', 'GU179528', 'CGEW3B');

INSERT INTO Payments (PaymentID, PaymentDate, Price, Guest\_UserID, ReservationID) VALUES ('MR81PWFVH5', '30/03/2022', '900.00', 'GU190943', '63SMU6');

INSERT INTO Payments (PaymentID, PaymentDate, Price, Guest\_UserID, ReservationID) VALUES ('AMP8EBUFRX', '21/09/2022', '1400.00', 'GU212050', 'XUD0NI');

INSERT INTO Payments (PaymentID, PaymentDate, Price, Guest\_UserID, ReservationID) VALUES ('18D2AISZ7S', '21/03/2023', '1500.00', 'GU214531', 'DVDKJ2');