**DBMS Group 3.06**

**DDL SCRIPT**

CREATE TABLE users(

ID integer NOT NULL PRIMARY KEY,

Fname varchar(20),

Lname varchar(20),

DOB date,

Gender char,

Nationality varchar(10),

Language varchar(20),

Email varchar(30),

Contact\_Number Integer,

Signup\_Date date,

Credit\_Card\_Number integer

);

Create Table Guest(

Guest\_ID integer NOT NULL PRIMARY KEY,

Type varchar(10),

FOREIGN KEY (Guest\_ID) REFERENCES users (ID)

ON DELETE CASCADE ON UPDATE CASCADE

);

Create Table Host(

Host\_ID integer NOT NULL PRIMARY KEY,

Earnings integer,

FOREIGN KEY (Host\_ID) REFERENCES users (ID)

ON DELETE CASCADE ON UPDATE CASCADE

);

Create Table Location(

Location\_ID integer NOT NULL PRIMARY KEY,

City varchar(20),

State varchar(20),

Country varchar(20)

);

Create Table Listing(

Listing\_ID integer NOT NULL PRIMARY KEY,

Address varchar(50),

Description varchar(100),

Cost integer,

Cancellation\_Policy varchar(50),

Host\_ID integer,

To\_date date,

From\_date date,

Location\_ID integer,

FOREIGN KEY (Host\_ID) REFERENCES Host (Host\_ID)

ON DELETE CASCADE ON UPDATE CASCADE,

FOREIGN KEY (Location\_ID) REFERENCES Location (Location\_ID)

ON DELETE CASCADE ON UPDATE CASCADE

);

Create Table Wishlist(

ID integer,

Listing\_ID integer,

PRIMARY KEY(ID,Name,Listing\_ID),

FOREIGN KEY (ID) REFERENCES users (ID)

ON DELETE CASCADE ON UPDATE CASCADE,

FOREIGN KEY (Listing\_ID) REFERENCES Listing (Listing\_ID)

ON DELETE CASCADE ON UPDATE CASCADE

);

Create Table Home(

Listing\_ID integer NOT NULL PRIMARY KEY,

Bedrooms integer,

Bathroom integer,

Min\_Stay integer,

Max\_Stay integer,

Type varchar(20),

Maximum\_Guests integer,

FOREIGN KEY (Listing\_ID) REFERENCES Listing (Listing\_ID)

ON DELETE CASCADE ON UPDATE CASCADE

);

Create Table Experience(

Listing\_ID integer NOT NULL PRIMARY KEY,

Duration integer,

Category varchar(20),

Group\_Size integer,

Language\_Offered varchar(20),

FOREIGN KEY (Listing\_ID) REFERENCES Listing (Listing\_ID)

ON DELETE CASCADE ON UPDATE CASCADE

);

Create Table Amenities(

Amenity\_name varchar(20) NOT NULL PRIMARY KEY

);

Create Table Amenities\_Provided(

Amenity\_name varchar(20),

Listing\_ID integer,

FOREIGN KEY (Amenity\_name) REFERENCES Amenities (Amenity\_name)

ON DELETE CASCADE ON UPDATE CASCADE,

FOREIGN KEY (Listing\_ID) REFERENCES Listing (Listing\_ID)

ON DELETE CASCADE ON UPDATE CASCADE,

PRIMARY KEY (Amenity\_name, Listing\_ID)

);

Create Table Guest\_Reviews(

Listing\_ID integer,

Guest\_ID integer,

Comments varchar(140),

rating integer,

FOREIGN KEY (Listing\_ID) REFERENCES Listing (Listing\_ID)

ON DELETE CASCADE ON UPDATE CASCADE,

FOREIGN KEY (Guest\_ID) REFERENCES Guest (Guest\_ID)

ON DELETE CASCADE ON UPDATE CASCADE,

PRIMARY KEY (Guest\_ID, Listing\_ID)

);

Create Table Host\_Reviews(

Listing\_ID integer,

Host\_ID integer,

Comments varchar(140),

rating integer,

FOREIGN KEY (Listing\_ID) REFERENCES Listing (Listing\_ID)

ON DELETE CASCADE ON UPDATE CASCADE,

FOREIGN KEY (Host\_ID) REFERENCES Host (Host\_ID)

ON DELETE CASCADE ON UPDATE CASCADE,

PRIMARY KEY (Host\_ID, Listing\_ID)

);

Create Table Avails(

Listing\_ID integer,

Guest\_ID integer,

To\_date date,

From\_date date,

No\_of\_people integer,

FOREIGN KEY (Listing\_ID) REFERENCES Listing (Listing\_ID)

ON DELETE CASCADE ON UPDATE CASCADE,

FOREIGN KEY (Guest\_ID) REFERENCES Guest (Guest\_ID)

ON DELETE CASCADE ON UPDATE CASCADE,

PRIMARY KEY (Guest\_ID, Listing\_ID)

);

Create Table Guidebook(

Guidebook\_ID integer NOT NULL PRIMARY KEY,

Description varchar(140),

FOREIGN KEY (Guidebook\_ID) REFERENCES Listing (Listing\_ID)

ON DELETE CASCADE ON UPDATE CASCADE

);

Create Table Place(

Guidebook\_ID integer,

Location\_ID integer,

Place\_name varchar(20),

FOREIGN KEY (Guidebook\_ID) REFERENCES Listing (Listing\_ID)

ON DELETE CASCADE ON UPDATE CASCADE,

FOREIGN KEY (Location\_ID) REFERENCES Location (Location\_ID)

ON DELETE CASCADE ON UPDATE CASCADE,

PRIMARY KEY (Guidebook\_ID, Location\_ID, Place\_name)

);