```
/* Entity desccriptions */

CREATE TABLE Attr_Ambience (
    Business_id CHAR(22),
      Sub_Attr_id INTEGER,
    PRIMARY KEY (Business_id, Sub_Attr_id),
    FOREIGN KEY (Sub_Attr_id) references Attr_Ambience(Sub_Attr_id),
    FOREIGN KEY (Business_id) references Business(Business_id)
)

CREATE TABLE Attr_BusinessParking (
    Business_id CHAR(22),
      Sub_Attr_id INTEGER,
    PRIMARY KEY (Business_id, Sub_Attr_id),
    FOREIGN KEY (Sub_Attr_id) references Attr_Ambience(Sub_Attr_id),
    FOREIGN KEY (Business_id) references Business(Business_id)
)

CREATE TABLE Attr_DietaryRestrictions (
    Business_id CHAR(22),
      Sub_Attr_id INTEGER,
    PRIMARY KEY (Business_id, Sub_Attr_id),
    FOREIGN KEY (Sub_Attr_id) references Attr_Ambience(Sub_Attr_id),
    FOREIGN KEY (Business_id) references Business(Business_id)
)

CREATE TABLE Attr_GoodForMeal (
    Business_id CHAR(22),
      Sub_Attr_id INTEGER,
    PRIMARY KEY (Business_id, Sub_Attr_id),
    FOREIGN KEY (Sub_Attr_id) references Attr_Ambience(Sub_Attr_id),
    FOREIGN KEY (Business_id) references Business(Business_id)
)

CREATE TABLE Attr_Music (
    Business_id CHAR(22),
      Sub_Attr_id INTEGER,
    PRIMARY KEY (Business_id, Sub_Attr_id),
    FOREIGN KEY (Sub_Attr_id) references Attr_Ambience(Sub_Attr_id),
    FOREIGN KEY (Business_id) references Business(Business_id)
)

CREATE TABLE Attr_NoiseLevel (
    Business_id CHAR(22),
      Sub_Attr_id INTEGER,
    PRIMARY KEY (Business_id, Sub_Attr_id),
    FOREIGN KEY (Sub_Attr_id) references Attr_Ambience(Sub_Attr_id),
    FOREIGN KEY (Business_id) references Business(Business_id)
)

CREATE TABLE Attr_Ambience_map (
    Sub_Attr_id INTEGER,
      Sub_Attr_name VARCHAR(50),
    UNIQUE (Sub_Attr_name),
    PRIMARY KEY (Sub_Attr_id)
)

CREATE TABLE Attr_BusinessParking_map (
    Sub_Attr_id INTEGER,
      Sub_Attr_name VARCHAR(50),
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    UNIQUE (Sub_Attr_name),
    PRIMARY KEY (Sub_Attr_id)
)

CREATE TABLE Attr_DietaryRestrictions_map (
    Sub_Attr_id INTEGER,
     Sub_Attr_name VARCHAR(50),
    UNIQUE (Sub_Attr_name),
    PRIMARY KEY (Sub_Attr_id)
)

CREATE TABLE Attr_GoodForMeal_map (
    Sub_Attr_id INTEGER,
     Sub_Attr_name VARCHAR(50),
    UNIQUE (Sub_Attr_name),
    PRIMARY KEY (Sub_Attr_id)
)

CREATE TABLE Attr_Music_map (
    Sub_Attr_id INTEGER,
     Sub_Attr_name VARCHAR(50),
    UNIQUE (Sub_Attr_name),
    PRIMARY KEY (Sub_Attr_id)
)

CREATE TABLE Attr_NoiseLevel_map (
    Sub_Attr_id INTEGER,
     Sub_Attr_name VARCHAR(50),
    UNIQUE (Sub_Attr_name),
    PRIMARY KEY (Sub_Attr_id)
)

CREATE TABLE Business (
    Business_id CHAR(22),
     Address VARCHAR(200),
     Latitude REAL,
     Longitude REAL,
     Review_Count INTEGER,
     is_open Boolean,
     Name VARCHAR(80),
     Postal_Code_id INTEGER,
     Stars REAL,
     UNIQUE (Address, Postal_Code_id),
    PRIMARY KEY (Business_id),
    FOREIGN KEY (Postal_Code_id) references Postal_Code(Postal_Code_id)
)

CREATE TABLE Category_map (
    Category_id INTEGER,
     Category_name VARCHAR(200),
    UNIQUE (Category_name),
    PRIMARY KEY (Category_id)
)

CREATE TABLE Category (
    Category_id INTEGER,
     Business_id CHAR(22),
    PRIMARY KEY (Business_id, Category_id),
    FOREIGN KEY (Category_id) references Category(Category_id)
    FOREIGN KEY (Business_id) references Business(Business_id)
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)

CREATE TABLE Elite (
    User_id CHAR(22),
      Elite_year INTEGER,
    PRIMARY KEY (User_id, Elite_year),
    FOREIGN KEY (User_id) references Users(User_id)
)

CREATE TABLE FRIENDS (
      user_id_1 CHAR(22),
      user_id_2 CHAR(22),
      PRIMARY KEY (user_id_1, user_id_2),
      FOREIGN KEY (user_id_1) references Users(User_id),
    FOREIGN KEY (user_id_2) references Users(User_id)
)

CREATE TABLE Hours (
    Opening_time VARCHAR(8),
      Closing_time VARCHAR(8),
      Hours_id INTEGER,
      PRIMARY KEY (Hours_id)
)

CREATE TABLE Open_at (
      Business_id CHAR(22),
    Opening_hours_id INTEGER,
      Day_id INTEGER,
      PRIMARY KEY (Business_id, Opening_hours_id),
    FOREIGN KEY (Business_id) references Business(Business_id),
      FOREIGN KEY (Opening_hours_id) references Hours(Hours_id),
)

CREATE TABLE Postal_code (
      Postal_code_id INTEGER,
    Postal_code VARCHAR(10),
    City VARCHAR(50),
    State VARCHAR(3),
      UNIQUE (Postal_code, City, State),
      PRIMARY KEY (Postal_code_id)
)

CREATE TABLE Users (
      User_id CHAR(22),
      Avg_Stars REAL,
      Fans INTEGER,
      Useful_Count INTEGER,
      Review_Count INTEGER,
      Yelping_Since DATETIME,
      Cool INTEGER,
      Funny INTEGER,
      Name CHAR (40),
    Compliment_cool INTEGER,
    Compliment_cute INTEGER,
    Compliment_funny INTEGER,
    Compliment_hot INTEGER,
    Compliment_list INTEGER,
    Compliment_more INTEGER,
    Compliment_note INTEGER,
    Compliment_photos INTEGER,
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        Compliment_plain INTEGER,
        Compliment_profile INTEGER,
        Compliment_writer INTEGER,
          PRIMARY KEY (User_id)
)

/* Relationships Description) */

CREATE TABLE Reviews (
        Review_id CHAR(22),
        User_id CHAR(22),
        Business_id CHAR(22),
        review_text CLOB,
        stars INTEGER,
        Cool INTEGER,
        Funny INTEGER,
        Useful INTEGER,
        posted_date TIMESTAMP,
        PRIMARY KEY (Review_id),
        FOREIGN KEY (User_id) references Users(User_id),
      FOREIGN KEY (Business_id) references Business(Business_id)
)

CREATE TABLE Tips (
        Tip_id INTEGER,
        User_id CHAR(22),
        Business_id CHAR(22),
        Tip_text CLOB,
        compliment_count INTEGER,
        posted_date TIMESTAMP,
        PRIMARY KEY (Tip_id),
        FOREIGN KEY (User_id) references Users(User_id),
      FOREIGN KEY (Business_id) references Business(Business_id)
)
```