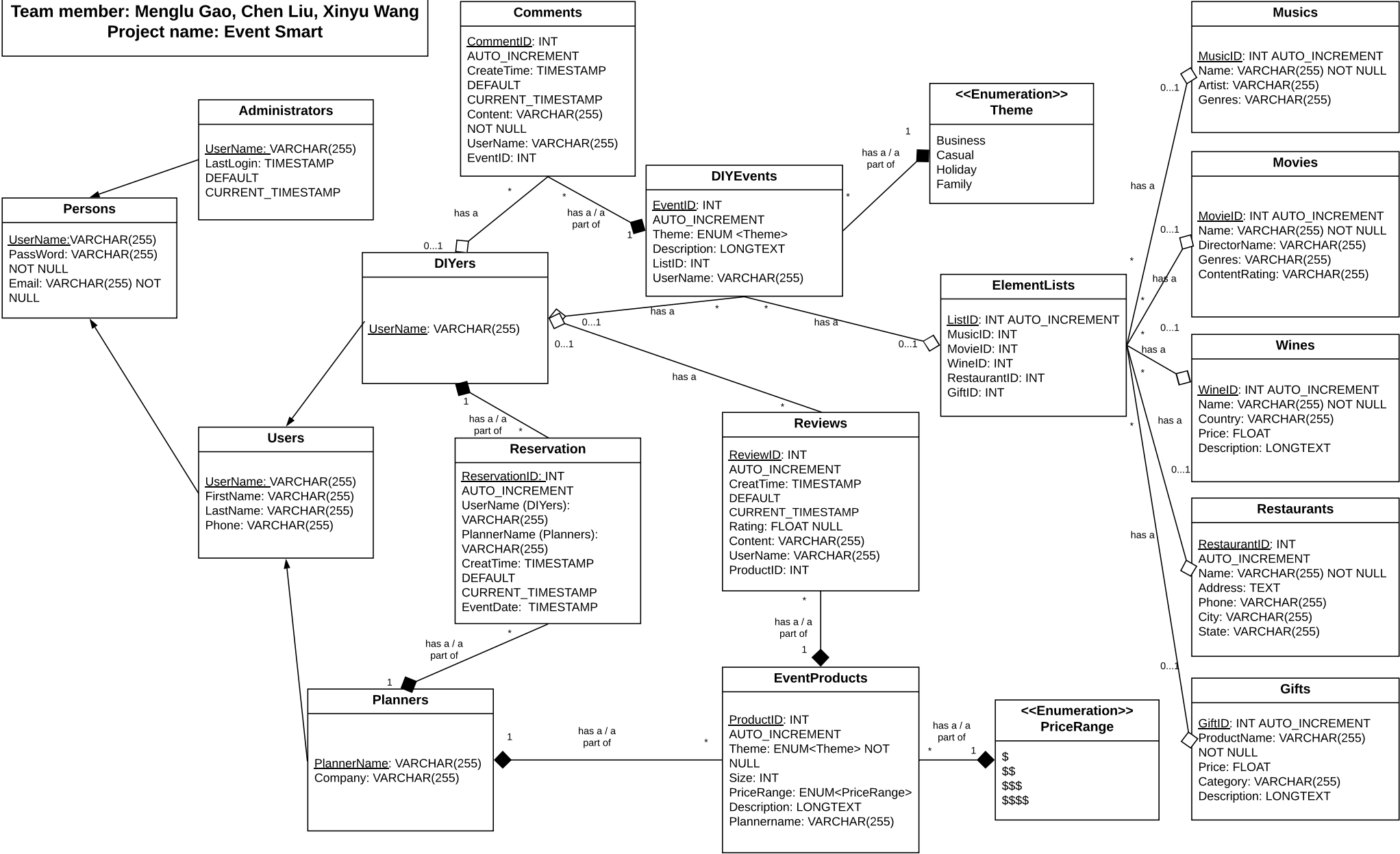


Team name: GLOW
Team member: Menglu Gao, Chen Liu, Xinyu Wang
Project name: Event Smart



#Sql code

#TeamName: GLoW

#ProjectName: Event Smart

CREATE SCHEMA IF NOT EXISTS EventSmart;

USE EventSmart;

DROP TABLE IF EXISTS Comments;

DROP TABLE IF EXISTS Reviews;

DROP TABLE IF EXISTS Reservations;

DROP TABLE IF EXISTS DIYEvents;

DROP TABLE IF EXISTS EventProducts;

DROP TABLE IF EXISTS ElementLists;

DROP TABLE IF EXISTS Movies;

DROP TABLE IF EXISTS Musics;

DROP TABLE IF EXISTS Wines;

DROP TABLE IF EXISTS Restaurants;

DROP TABLE IF EXISTS Gifts;

DROP TABLE IF EXISTS DIYers;

DROP TABLE IF EXISTS Planners;

DROP TABLE IF EXISTS Users;

DROP TABLE IF EXISTS Administrators;

DROP TABLE IF EXISTS Persons;

CREATE TABLE Persons (

 UserName VARCHAR(255),

 Psw VARCHAR(255),

 Email VARCHAR(255),

 CONSTRAINT pk_Persons_UserName PRIMARY KEY (UserName)

);

CREATE TABLE Administrators (

 UserName VARCHAR(255),

 LastLogin TIMESTAMP DEFAULT CURRENT_TIMESTAMP,

 CONSTRAINT pk_Administrators_UserName PRIMARY KEY (UserName),

 CONSTRAINT fk_Administrators_UserName

 FOREIGN KEY (UserName)

 REFERENCES Persons(UserName)

 ON UPDATE CASCADE ON DELETE CASCADE

);

CREATE TABLE Users (

 UserName VARCHAR(255),

 FirstName VARCHAR(255),

 LastName VARCHAR(255),

```
Phone VARCHAR(255) DEFAULT NULL,  
CONSTRAINT pk_Users_UserName PRIMARY KEY (UserName),  
CONSTRAINT fk_Users_UserName  
    FOREIGN KEY (UserName)  
    REFERENCES Persons(UserName)  
    ON UPDATE CASCADE ON DELETE CASCADE  
);
```

```
CREATE TABLE DIYers (  
    UserName VARCHAR(255),  
    CONSTRAINT pk_DIYers_UserName PRIMARY KEY (UserName),  
    CONSTRAINT fk_DIYers_UserName  
        FOREIGN KEY (UserName)  
        REFERENCES Users(UserName)  
    ON UPDATE CASCADE ON DELETE CASCADE  
);
```

```
CREATE TABLE Planners (  
    PlannerName VARCHAR(255),  
    COMPANY VARCHAR(255),  
    CONSTRAINT pk_Planners_PlannerName PRIMARY KEY (PlannerName),  
    CONSTRAINT fk_Planners_PlannerName  
        FOREIGN KEY (PlannerName)  
        REFERENCES Users(UserName)  
    ON UPDATE CASCADE ON DELETE CASCADE  
);
```

```
CREATE TABLE Musics (  
    MusicID INT AUTO_INCREMENT,  
    MusicName VARCHAR(255) NOT NULL,  
    Artist VARCHAR(255),  
    Genres VARCHAR(255),  
    CONSTRAINT pk_Musics_MusicID PRIMARY KEY (MusicID)  
);
```

```
CREATE TABLE Movies (  
    MovieID INT AUTO_INCREMENT,  
    MovieName VARCHAR(255) NOT NULL,  
    DirectorName VARCHAR(255),  
    Genres VARCHAR(255),  
    ContentRating VARCHAR(255),  
    CONSTRAINT pk_Movies_MovieID PRIMARY KEY (MovieID)  
);
```

```
CREATE TABLE Wines (  
    WineID INT AUTO_INCREMENT,  
    WineName VARCHAR(255) NOT NULL,  
    Country VARCHAR(255),  
    Description LONGTEXT,  
    Price INT,  
    CONSTRAINT pk_Wines_WineID PRIMARY KEY (WineID)  
);
```

```
CREATE TABLE Restaurants (  
    RestaurantID INT AUTO_INCREMENT,  
    RestaurantName VARCHAR(255) NOT NULL,  
    Phone VARCHAR(255),  
    Address TEXT,  
    City VARCHAR(255),  
    State VARCHAR(255),  
    CONSTRAINT pk_Restaurants_RestaurantID PRIMARY KEY (RestaurantID)  
);
```

```
CREATE TABLE Gifts (  
    GiftID INT AUTO_INCREMENT,  
    ProductName TEXT NOT NULL,  
    Price FLOAT (6, 2),  
    Category VARCHAR(255),  
    Description LONGTEXT,  
    CONSTRAINT pk_Gifts_GiftID PRIMARY KEY (GiftID)  
);
```

```
CREATE TABLE ElementLists (  
    ListID INT AUTO_INCREMENT,  
    MusicID INT,  
    MovieID INT,  
    WineID INT,  
    RestaurantID INT,  
    GiftID INT,  
    CONSTRAINT pk_ElementLists_ListID PRIMARY KEY (ListID),  
    CONSTRAINT fk_ElementLists_MusicID  
        FOREIGN KEY (MusicID)  
        REFERENCES Musics (MusicID)  
        ON UPDATE CASCADE ON DELETE SET NULL,  
    CONSTRAINT fk_ElementLists_MovieID  
        FOREIGN KEY (MovieID)  
        REFERENCES Movies (MovieID)  
        ON UPDATE CASCADE ON DELETE SET NULL,
```

```

        CONSTRAINT fk_ElementLists_WineID
            FOREIGN KEY (WineID)
REFERENCES Wines (WineID)
ON UPDATE CASCADE ON DELETE SET NULL,
        CONSTRAINT fk_ElementLists_RestaurantID
            FOREIGN KEY (RestaurantID)
REFERENCES Restaurants (RestaurantID)
ON UPDATE CASCADE ON DELETE SET NULL,
        CONSTRAINT fk_ElementLists_GiftID
            FOREIGN KEY (GiftID)
REFERENCES Gifts (GiftID)
ON UPDATE CASCADE ON DELETE SET NULL
);

```

```

CREATE TABLE EventProducts (
    ProductID INT AUTO_INCREMENT,
    Theme ENUM ('Business', 'Casual', 'Holiday', 'Family'),
    Size INT,
    PriceRange ENUM ('$ ', '$$ ', '$$$ ', '$$$$ '),
    Description TEXT,
    PlannerName VARCHAR(255),
    CONSTRAINT pk_EventProducts_ProductID PRIMARY KEY (ProductID),
    CONSTRAINT fk_EventProducts_PlannerName
        FOREIGN KEY (PlannerName)
REFERENCES Planners (PlannerName)
ON UPDATE CASCADE ON DELETE CASCADE
);

```

```

CREATE TABLE DIEvents (
    EventID INT AUTO_INCREMENT,
    Theme ENUM ('Business', 'Casual', 'Holiday', 'Family'),
    Description TEXT,
    ListID INT,
    UserName VARCHAR(255),
    CONSTRAINT pk_DIEvents_EventID PRIMARY KEY (EventID),
    CONSTRAINT fk_DIEvents_ListID
        FOREIGN KEY (ListID)
REFERENCES ElementLists (ListID)
ON UPDATE CASCADE ON DELETE SET NULL,
    CONSTRAINT fk_DIEvents_UserName
        FOREIGN KEY (UserName)
REFERENCES DIYers (UserName)
ON UPDATE CASCADE ON DELETE SET NULL
);

```

```

CREATE TABLE Reservations (
    ReservationID INT AUTO_INCREMENT,
    CreateTime TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
    EventDate TIMESTAMP,
    UserName VARCHAR(255),
    PlannerName VARCHAR(255),
    CONSTRAINT pk_Reservations_ReservationID PRIMARY KEY (ReservationID),
    CONSTRAINT fk_Reservations_UserName
        FOREIGN KEY (UserName)
        REFERENCES DIYers (UserName)
    ON UPDATE CASCADE ON DELETE CASCADE,
    CONSTRAINT fk_Reservations_PlannerName
        FOREIGN KEY (PlannerName)
        REFERENCES Planners (PlannerName)
    ON UPDATE CASCADE ON DELETE CASCADE
);

```

```

CREATE TABLE Reviews (
    ReviewID INT AUTO_INCREMENT,
    CreateTime TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
    Rating FLOAT (2, 1),
    Content LONGTEXT,
    UserName VARCHAR(255),
    ProductID INT,
    CONSTRAINT pk_Reviews_ReviewID PRIMARY KEY (ReviewID),
    CONSTRAINT fk_Reviews_UserName
        FOREIGN KEY (UserName)
        REFERENCES DIYers (UserName)
    ON UPDATE CASCADE ON DELETE SET NULL,
    CONSTRAINT fk_Reviews_ProductID
        FOREIGN KEY (ProductID)
        REFERENCES EventProducts (ProductID)
    ON UPDATE CASCADE ON DELETE CASCADE
);

```

```

CREATE TABLE Comments (
    CommentID INT AUTO_INCREMENT,
    CreateTime TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
    Content LONGTEXT,
    UserName VARCHAR(255),
    EventID INT,
    CONSTRAINT pk_Comments_CommentID PRIMARY KEY (CommentID),
    CONSTRAINT fk_Comments_UserName

```

```
        FOREIGN KEY (UserName)
REFERENCES DIYers (UserName)
ON UPDATE CASCADE ON DELETE SET NULL,
        CONSTRAINT fk_Comments_EventID
        FOREIGN KEY (EventID)
REFERENCES DIYEvents (EventID)
ON UPDATE CASCADE ON DELETE CASCADE
);
```

#load values for tables

```
LOAD DATA INFILE '/Users/xinyuwang/Data/Restaurants.csv' INTO TABLE Restaurants
        FIELDS TERMINATED BY ',' ENCLOSED BY '"'
        LINES TERMINATED BY '\n'
        IGNORE 1 LINES;
```

```
LOAD DATA INFILE '/Users/xinyuwang/Data/Wines.csv' INTO TABLE Wines
        FIELDS TERMINATED BY ',' ENCLOSED BY '"'
        LINES TERMINATED BY '\n'
        IGNORE 1 LINES;
```

```
LOAD DATA INFILE '/Users/xinyuwang/Data/Movies.csv' INTO TABLE Movies
        FIELDS TERMINATED BY ',' ENCLOSED BY '"'
        LINES TERMINATED BY '\n'
        IGNORE 1 LINES;
```

```
LOAD DATA INFILE '/Users/xinyuwang/Data/Musics.csv' INTO TABLE Musics
        FIELDS TERMINATED BY ',' ENCLOSED BY '"'
        LINES TERMINATED BY '\n'
        IGNORE 1 LINES;
```

```
LOAD DATA INFILE '/Users/xinyuwang/Data/Gifts.csv' INTO TABLE Gifts
        FIELDS TERMINATED BY ',' ENCLOSED BY '"'
        LINES TERMINATED BY '\n'
        IGNORE 1 LINES;
```

```
LOAD DATA INFILE '/Users/xinyuwang/Data/ElementLists.csv' INTO TABLE ElementLists
        FIELDS TERMINATED BY ','
        LINES TERMINATED BY '\n'
        IGNORE 1 LINES;
```

```
LOAD DATA INFILE '/Users/xinyuwang/Data/Persons.csv' INTO TABLE Persons
        FIELDS TERMINATED BY ','
        LINES TERMINATED BY '\n'
        IGNORE 1 LINES;
```

```
LOAD DATA INFILE '/Users/xinyuwang/Data/Administrators.csv' INTO TABLE Administrators
    FIELDS TERMINATED BY ','
    LINES TERMINATED BY '\n'
    IGNORE 1 LINES;
```

```
LOAD DATA INFILE '/Users/xinyuwang/Data/Users.csv' INTO TABLE Users
    FIELDS TERMINATED BY ','
    LINES TERMINATED BY '\n'
    IGNORE 1 LINES;
```

```
LOAD DATA INFILE '/Users/xinyuwang/Data/DIYers.csv' INTO TABLE DIYers
    FIELDS TERMINATED BY ','
    LINES TERMINATED BY '\n'
    IGNORE 1 LINES;
```

```
LOAD DATA INFILE '/Users/xinyuwang/Data/Planners.csv' INTO TABLE Planners
    FIELDS TERMINATED BY ','
    LINES TERMINATED BY '\n'
    IGNORE 1 LINES;
```

```
LOAD DATA INFILE '/Users/xinyuwang/Data/DIYEvents.csv' INTO TABLE DIYEvents
    FIELDS TERMINATED BY ','
    LINES TERMINATED BY '\n'
    IGNORE 1 LINES;
```

```
LOAD DATA INFILE '/Users/xinyuwang/Data/EventProducts.csv' INTO TABLE EventProducts
    FIELDS TERMINATED BY ','
    LINES TERMINATED BY '\n'
    IGNORE 1 LINES;
```

```
LOAD DATA INFILE '/Users/xinyuwang/Data/Reviews.csv' INTO TABLE Reviews
    FIELDS TERMINATED BY ',' ENCLOSED BY '"'
    LINES TERMINATED BY '\n'
    IGNORE 1 LINES
    (ReviewID, Rating, Content, UserName, ProductID);
```

```
LOAD DATA INFILE '/Users/xinyuwang/Data/Reservations.csv' INTO TABLE Reservations
    FIELDS TERMINATED BY ','
    LINES TERMINATED BY '\n'
    IGNORE 1 LINES
    (ReservationID, EventDate, UserName, PlannerName);
```

```
LOAD DATA INFILE '/Users/xinyuwang/Data/Comments.csv' INTO TABLE Comments
```