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CREATE DATABASE IF NOT EXISTS `odyssey-db-sp25`;
USE `odyssey-db-sp25`;

CREATE TABLE Cities(
    CityId INT,
    CityName VARCHAR(50) NOT NULL,
    Longitude DECIMAL(13, 10) NOT NULL,
    Latitude DECIMAL(13, 10) NOT NULL,
    CityPopulation INT NOT NULL,
    CityLanguage VARCHAR(50),
    Country VARCHAR(50) NOT NULL,
    Province VARCHAR(50),
    avgTmp DECIMAL(3, 2),
    avgMealPrice DECIMAL(3, 2),
    avgTicketPrice DECIMAL(5, 2),
    PRIMARY KEY (CityId)
);

CREATE TABLE VacationSpots(
    VacationSpotName VARCHAR(50),
    CityId INT NOT NULL,
    LikeCount INT,
    PRIMARY KEY (VacationSpotName),
    FOREIGN KEY (CityId) REFERENCES Cities(CityId) ON DELETE CASCADE
);

CREATE TABLE UserAccounts(
    Username VARCHAR(50),
    UserPassword VARCHAR(100) NOT NULL,
    ProfilePictureUrl VARCHAR(255),
    ProfileDescription VARCHAR(255),
    Gender VARCHAR(20),
    Country VARCHAR(50),
    Age INT,
    PRIMARY KEY (Username)
);

CREATE TABLE Reviews(
    ReviewID INT,
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    Username VARCHAR(50) NOT NULL,
    ReviewText VARCHAR(2000),
    ReviewRating INT,
    CreatedAt DATETIME,
    UpdatedAt DATETIME,

    LikeCount INT,

    PRIMARY KEY (ReviewID),
    FOREIGN KEY (Username) REFERENCES UserAccounts(Username) ON DELETE CASCADE
);

CREATE TABLE Images(
    ImageURL VARCHAR(255),
    ReviewID INT NOT NULL,

    PRIMARY KEY (ImageURL),

    FOREIGN KEY (ReviewID) REFERENCES Reviews(ReviewID) ON DELETE CASCADE
);

CREATE TABLE Follows(
    followerUsername VARCHAR(50),
    followeeUsername VARCHAR(50),

    PRIMARY KEY (followerUsername, followeeUsername),

    FOREIGN KEY (followerUsername) REFERENCES UserAccounts(Username) ON DELETE CASCADE,
    FOREIGN KEY (followeeUsername) REFERENCES UserAccounts(Username) ON DELETE CASCADE
);

CREATE TABLE FavoriteSpots(
    Username VARCHAR(50),
    VacationSpotName VARCHAR(50),

    PRIMARY KEY (Username, VacationSpotName),
    FOREIGN KEY (Username) REFERENCES UserAccounts(Username) ON DELETE CASCADE,
    FOREIGN KEY (VacationSpotName) REFERENCES VacationSpots(VacationSpotName) ON DELETE
CASCADE

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);  
  
CREATE TABLE VacationSpotReviews(  
    ReviewId INT NOT NULL,  
    VacationSpotName VARCHAR(50),  
  
    PRIMARY KEY (ReviewId, VacationSpotName),  
    FOREIGN KEY (ReviewId) REFERENCES Reviews(ReviewId) ON DELETE CASCADE,  
    FOREIGN KEY (VacationSpotName) REFERENCES VacationSpots(VacationSpotName) ON DELETE  
CASCADE  
);
```