

FoodCabulary SCRIPTS

These are all of the scripts I used to create each of the tables in the database. I thought that it might be a good reference if we want to see what kind of constraints we have on the data. This is also the order that I created the tables in so that we aren't trying to reference a table that hasn't been created yet.

```
CREATE TABLE USER (  
    userID INT NOT NULL AUTO_INCREMENT,  
    password VARCHAR(55) NOT NULL,  
    phoneNumber VARCHAR(10),  
    email VARCHAR(100) NOT NULL,  
    fName varchar(50) NOT NULL,  
    lName varchar(50) NOT NULL,  
    birthday TIME,  
    accountCreationDate TIMESTAMP DEFAULT CURRENT_TIMESTAMP,  
    browniePoints INT(7) DEFAULT 0,  
    gender CHAR(1) NOT NULL,  
    PRIMARY KEY(userID)  
);  
  
CREATE TABLE FOLLOWERS (  
    userID INT NOT NULL,  
    followerID INT NOT NULL,  
    date TIMESTAMP DEFAULT CURRENT_TIMESTAMP,  
    PRIMARY KEY(userID, followerID),  
    FOREIGN KEY(userID) REFERENCES USER(userID),  
    FOREIGN KEY(followerID) REFERENCES USER(userID)  
);  
  
CREATE TABLE MEAL_TYPE (  
    typeID INT NOT NULL AUTO_INCREMENT,  
    name VARCHAR(50) NOT NULL,  
    description TEXT,  
    PRIMARY KEY(typeID)  
);
```

```
CREATE TABLE RECIPES (  
    recipeID INT NOT NULL AUTO_INCREMENT,  
    name VARCHAR(100) NOT NULL,  
    dateCreated TIMESTAMP DEFAULT CURRENT_TIMESTAMP,  
    instructions TEXT,  
    typeID INT NOT NULL,  
    PRIMARY KEY(recipeID),  
    FOREIGN KEY(typeID) REFERENCES MEAL_TYPE(typeID)  
);
```

```
CREATE TABLE USER_HAS_RECIPES (  
    userID INT NOT NULL,  
    recipeID INT NOT NULL,  
    PRIMARY KEY(userID, recipeID),  
    FOREIGN KEY(userID) REFERENCES USER(userID)  
    ON DELETE CASCADE,  
    FOREIGN KEY(recipeID) REFERENCES RECIPES(recipeID)  
);
```

```
CREATE TABLE PHOTOS (  
    photoID INT NOT NULL AUTO_INCREMENT,  
    imageLink VARCHAR(255) NOT NULL,  
    title VARCHAR(50) NOT NULL,  
    description VARCHAR(255),  
    PRIMARY KEY(photoID)  
);
```

```
CREATE TABLE RECIPE_HAS_PHOTOS (  
    recipeID INT NOT NULL,  
    photoID INT NOT NULL,  
    PRIMARY KEY(recipeID, photoID),  
    FOREIGN KEY(recipeID) REFERENCES RECIPES(recipeID),  
    FOREIGN KEY(photoID) REFERENCES PHOTOS(photoID)  
);
```

```
CREATE TABLE REVIEWS (  
    reviewID INT NOT NULL AUTO_INCREMENT,  
    userID INT NOT NULL,  
    recipeID INT NOT NULL,  
    title VARCHAR(255) NOT NULL,  
    dateCreated TIMESTAMP DEFAULT CURRENT_TIMESTAMP,  
    comments TEXT,  
    PRIMARY KEY(reviewID, userID, recipeID),  
    FOREIGN KEY(userID) REFERENCES USER(userID),  
    FOREIGN KEY(recipeID) REFERENCES RECIPES(recipeID)  
);
```

```
CREATE TABLE FOOD_CATEGORY (  
    categoryID INT NOT NULL AUTO_INCREMENT,  
    name VARCHAR(50) NOT NULL,  
    description TEXT,  
    pointVal INT NOT NULL,  
    PRIMARY KEY(categoryID)  
);
```

```
CREATE TABLE INGREDIENTS (  
    ingredientID INT NOT NULL AUTO_INCREMENT,  
    categoryID INT NOT NULL,  
    name VARCHAR(50) NOT NULL,  
    PRIMARY KEY(ingredientID),  
    FOREIGN KEY(categoryID) REFERENCES FOOD_CATEGORY(categoryID)  
);
```

```
CREATE TABLE RECIPE_HAS_INGREDIENTS (  
    recipeID INT NOT NULL,  
    ingredientID INT NOT NULL,  
    quantity FLOAT(4, 2) NOT NULL,  
    PRIMARY KEY(recipeID, ingredientID),  
    FOREIGN KEY(recipeID) REFERENCES RECIPES(recipeID)  
    ON DELETE CASCADE,  
    FOREIGN KEY(ingredientID) REFERENCES INGREDIENTS(ingredientID)  
);
```

```
CREATE TABLE CUSTOM_INGREDIENTS (  
    recipeID INT NOT NULL,  
    name VARCHAR(50) NOT NULL,  
    PRIMARY KEY(recipeID, name),  
    FOREIGN KEY(recipeID) REFERENCES RECIPES(recipeID)  
    ON DELETE CASCADE  
);
```