

# Table Ideas

User table: This table will hold information specifically about the user, such as login and other personal info.

recipe table: This table is for recipes users want to make from scratch. They can also post this in the public recipe list.

ingredient table: This table gathers ingredients for a specific recipe.

instruction table: This table lists the instruction given for a recipe.

Profile table: This table is for info that the user wants to make public such as a profile picture, list of recipes, occasions, etc.

Occasion table: This table is on the profile and where other users can be invited too.

Follower table: This table is where other users follow a user.

# Relationship Ideas

## One-one

User-Profile

## One-many

Profile-recipe

Recipe-instructions

Profile-ingredients

Profile-occasions

Profile-followers

## Many-many

recipe-ingredients

occasion-recipes

Occasion-followers

# Columns

## User

For this table, we used a username and password like another other user's login. Then we added an email and an optional phone number.

## Profile

For this table, we only added a picture and a bio.

## Recipes

For this table, we connected the recipes with the profile id. Each recipe has a name with a picture with connections to instructions and ingredients.

## Ingredients

For this table, we listed ingredients and connected them to the recipes

## Instructions

For this table, we listed instructions and connected them to the recipes

## Followers

For this table, we listed followers connected to the profile

## Occasions

For this table, we connected invited followers and recipes used along with a list of occasions.

## SQL Code

```
CREATE TABLE users(  
  user_id SERIAL PRIMARY KEY  
  , username VARCHAR(20)  
  , password VARCHAR(20)  
  , email VARCHAR(20)  
  , phone INTEGER
```

```
);
```

```
CREATE TABLE profile(  
  profile_id SERIAL PRIMARY KEY  
  , user_id INTEGER REFERENCES users(user_id)  
  , picture TEXT  
  , bio TEXT
```

```
);
```

```
CREATE TABLE followers(  
  followers_id SERIAL PRIMARY KEY  
  , profile_id INTEGER REFERENCES profile(profile_id)  
  , follower_name VARCHAR(50)
```

```
);
```

```
CREATE TABLE recipes(  
  recipe_id SERIAL PRIMARY KEY  
  , profile_id INTEGER REFERENCES profile(profile_id)  
  , name VARCHAR(20)  
  , picture TEXT
```

```
);
```

```
CREATE TABLE occasions(  
  occasion_id SERIAL PRIMARY KEY  
  , profile_id INTEGER REFERENCES profile(profile_id)  
  , followers_id INTEGER REFERENCES followers(followers_id)  
  , recipe_id INTEGER REFERENCES recipes(recipe_id)  
  , occasions VARCHAR(20)  
  
  );
```

```
CREATE TABLE ingredients(  
  ingredient_id SERIAL PRIMARY KEY  
  , recipe_id INTEGER REFERENCES recipes(recipe_id)  
  , profile_id INTEGER REFERENCES profile(profile_id)  
  , ingredients VARCHAR(50)  
  
  );
```

```
CREATE TABLE instructions(  
  instructions_id SERIAL PRIMARY KEY  
  , recipe_id INTEGER REFERENCES recipes(recipe_id)  
  , instructions TEXT  
  
  );
```