RECIPE CREATING / SHARING and GROCERY LIST APP

We want to create a recipe creating/sharing and grocery list app. You'll be planning out what tables we'll need, what information they'll store, and how the data will relate to each other.

Features

- **users can sign into the app with their email and password**
- **users can create recipes with ingredients and instructions**
- **recipes can be marked as public or private**
- **users can view other people's recipes**
- **ingredients from recipes can be added to user's grocery lists**
- **users can create their own occasions and assign recipes to occasions**

BRAINSTORMING

- Email
- Password
- Username
- Recipes
- Public or private
- Grocery lists
- Adding recipes to special groups or "occasions"

TABLES

- USER table
- Recipe table, ingredients, public or private
- Public recipe table
- Grocery Table

User table:
- User_id
- Email
- Password
- First name
- Last name
- Bio
- Phone number
- Profile picture

Recipe table:
- User_id
- Title
- Instructions
- Ingredients
- Is public
- Occasion

Grocery table:
- User_id
- Ingredients

Public table:
- User_id
- Title
- Instructions
- Ingredients
- Occasion

RELATIONSHIPS

- One to One
  - User Table
- One to Many
  - Grocery list
- Many to Many
  - Public table,grocery table

SEED:

```sql
CREATE TABLE users(
  user_id SERIAL PRIMARY KEY,
  email VARCHAR(50),
  password VARCHAR(50),
  first_name VARCHAR(50),
  last_name VARCHAR(50),
  bio VARCHAR(50),
  phone INTEGER
);

CREATE TABLE recipe(
    recipe_id SERIAL PRIMARY KEY,
    owner INT NULL REFERENCES users (User_id),
    title VARCHAR(30),
    instructions VARCHAR(120),
    ingredients VARCHAR(120),
    is_public BOOLEAN,
    occasion VARCHAR(120)
    );

CREATE TABLE grocery(
  owner INT NULL REFERENCES users (User_id),
  grocery_id SERIAL PRIMARY KEY,
  ingredients INT NULL REFERENCES recipe(recipe_id)
  );

CREATE TABLE public(
  public_id SERIAL PRIMARY KEY,
  owner INT NULL REFERENCES users(User_id),
  title INT NULL REFERENCES recipe(recipe_id),
  instructions INT NULL REFERENCES recipe(recipe_id),
  ingredients INT NULL REFERENCES recipe(recipe_id),
  occasion VARCHAR(120));
```