Summary

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:

- Users can like and rate recipes
- Users have the ability to create a grocery list
- Users can see the serving size
- Users can save the recipe
- Users can watch recipe video
- Users can search for a recipe
- Users can join the newsletter
- Users can join social media
- Users can see related recipes based on the type

Table Ideas:

- User: holds info about the user (username, password), each row will be an individual user.
- Recipe: hold info about the recipe (name, type), each row will be an individual recipe.
- Steps: holds info about individual steps for the recipe.
- Ingredients list: holds information about recipe id and ingredients list, each row will be individual items needed for the recipe
- Ingredients: holds information about individual ingredients, each row will be individual items
- Visibility: hold information about post visibility public or private (0 or 1)
- Grocery List: holds information about the grocery list for the user
- Occasion: holds information about the occasion and date, each row will be individual

```sql
CREATE TABLE users (
    id SERIAL PRIMARY KEY,
    username varchar(25) UNIQUE NOT NULL,
    first_name varchar(25) NOT NULL,
    last_name varchar(25) NOT NULL
);

CREATE TABLE category (
    "id" serial PRIMARY KEY NOT NULL,
    "name" VARCHAR(50) NOT NULL
);


CREATE TABLE receipe (
    "id" serial PRIMARY KEY NOT NULL,
    "recipe_name" VARCHAR(50) NOT NULL,
    "category_id" integer NOT NULL REFERENCES category(id),
    "recipe_detail" VARCHAR(50) NOT NULL,
    "user_id" integer NOT NULL REFERENCES users(id)
);


CREATE TABLE ingredients_list (
    "recipe_id" integer NOT NULL,
    "ingredients_id" integer NOT NULL,
    "qty" integer NOT NULL
);


CREATE TABLE ingredients (
    "id" serial PRIMARY KEY NOT NULL,
    "name" VARCHAR(50) NOT NULL
);



CREATE TABLE privacy (
    "recipe_id" integer NOT NULL REFERENCES receipe(id),
    "visibility" BOOLEAN NOT NULL
```

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);



CREATE TABLE grocery_list (
    "user_id" INTEGER NOT NULL REFERENCES users(id),
    "ingredient_id" integer NOT NULL REFERENCES ingredients(id),
    "recipe_id" integer NOT NULL REFERENCES receipe(id)
);
```