Brainstorm

Things to keep track of

- User_id
- Email
- Password
- Ingredients
- Instructions
- Recipes
    - Public or private
- Grocery list
- occasions

Table Ideas

1) User table will contain a user_id, email, password, and grocery list.
2) Recipe table will contain a recipe_id, instructions, and status.
3) Occasions will contain a recipe

Relationships

<u>One-to-one</u>

- Grocery_list from user table to ingredients column in recipe table. There is nowhere else to get this information and nowhere else to send it, so I think the relationship should be one-to-one.

<u>One-to-many</u>

- <u>recipe_id from recipes table has a one-to-many relationship with occasions, as an occasion should be able to support multiple recipes.</u>

Columns

User

- User_id to keep track of unique users. Email and password to keep track of each user's unique information. Grocery list to fill with ingredients when a recipe is chosen.
- User_id is an integer set to automatically increment so that we dont have to repeat data when creating new ones. Email, password, and grocery list are all varchar because they contain text.

Recipe

- recipe _id to keep track of unique recipes. Ingredients to the recipe contained in table so that it may be referenced by grocery list upon request. Status to track whether or not the recipe is private or public.
- Recipe_id is an integer set to automatically increment so that we don't have to repeat data when creating new ones. Ingredients are set to varchar because they will be stored as text, and status is set to boolean because it is either private or public (true or false)

Occasion

- Occasion_id to keep track of each occasion. Contains a recipe_id to "append" a recipe to the occasion. Many recipes can be in one occasion, so the relationship is one to many.
- occasion _id is an integer set to automatically increment so that we don't have to repeat data when creating new ones. Recipe_id is the same thing that it is in the recipes table that it references.

```
-- CREATE TABLE users (
--   user_id SERIAL PRIMARY KEY,
--   email VARCHAR(225) NOT NULL,
--   password VARCHAR(225) NOT NULL,
--   grocery_list VARCHAR(225) NOT NULL
--  );

--  CREATE TABLE recipes (
--   recipe_id SERIAL PRIMARY KEY,
--   ingredients VARCHAR(255) NOT NULL,
--   status BOOLEAN
-- );

CREATE TABLE occasions (
```

```
  occasion_id SERIAL PRIMARY KEY,
  recipe_id int FOREIGN KEY REFERENCES recipes(recipe_id)
);
```