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:

- user_id
- user_password
- user_email
- first_name
- last_name

Groups:

- Group_id
- Group_name
- Group_members
- posts

Recipe:

- Recipe_id
- Recipe_name
- ingredients
- Instructions
- public/private: t/f

Posts:

- post _id
- Photo
- Content
- UserPosted
- userBViewed

groceryList:

- List_id
- Ingredients
- Refer to recipeID
- Refer to userID

Occasions:

- occasion _id
- recipe

TABLES:

Users Table:

- user_id
- user_password
- user_email
- first_name
- last_name

Groups Table:

- group_id
- Group_name
- group _member_id

Recipe:

- Recipe_id
- Recipe_name
- recipe_ingredients
- recipe_instructions
- author_ID

Posts:

- post _id
- post_photo
- post_content
- author_ID
- user_viewed_id

groceryList:

- List_id
- Author_id
- recipe_Ingredients - refer to recipe id
- List_items

Occasions:

- occasion _id
- Recipe
- author_id

RELATIONSHIPS

One to one

One to many

- User => posts
- Group => posts
- User => grocery_list
- Occasions => recipe

Many to Many

- Users ⇔ groups
- User ⇔ recipe

SQL Table Set-Up

```
CREATE TABLE users(
user_id SERIAL PRIMARY KEY,
user_password VARCHAR(500),
user_email VARCHAR(255),
first_name VARCHAR(50),
last_name VARCHAR(50)
);
CREATE TABLE groups(
group_id SERIAL PRIMARY KEY,
group_name VARCHAR(50),
group_members_id INT NOT NULL REFERENCES users(user_id)
);
CREATE TABLE recipes(
recipe_id SERIAL PRIMARY KEY,
Recipe_name varchar(50),
Recipe_ingredients VARCHAR(2000),
Recipe_instrucitons VARCHAR(2000),
Recipe_author_id INT NOT NULL REFERENCES users(user_id)
);
CREATE TABLE posts(
Post_id SERIAL PRIMARY KEY,
Post_photo varchar(2000),
Post_content varchar(2000),
Post_author_id INT NOT NULL REFERENCES users(user_id),
Post_viewed_id INT NOT NULL REFERENCES users(user_id)
);
CREATE TABLE grocery_list(
List_id SERIAL PRIMARY KEY,
List_author_id INT NOT NULL REFERENCES users(user_id),
Recipe_ingredients INT NOT NULL REFERENCES recipes(recipe_id),
List_items VARCHAR(2000)
);
CREATE TABLE occasions(
Occasions_id SERIAL PRIMARY KEY,
Occasions_recipe INT NOT NULL REFERENCES  recipes(recipe_id),
Occasions_author_id INT NOT NULL REFERENCES users(user_id)
);
```