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/data needed:

- User email
- User name
- User location
- user interests
- likes/dislikes
- Group members
- Group posts
- Food name
- Ingredient content
- Cooking time
- Recipe author
- Recipe id
- Ingredient id
- Grocery list
- Breakfast
- Lunch
- Brunch
- Dinner
- Special occasion
- Type of cuisine
- Other cuisine?
- Occasions
- Prep time
- Cook time

Tables:

User Table: this table will hold the basic information for the user of the app.

- User_id
- Email
- Password
- Profile picture
- Bio
- First name
- Last name
- Favorite cuisine (This is to make it easier for other users to find similar tastes)

Post:

Recipe Table: this table will hold the recipe name, ingredients, and tools to make it easier for the other users to follow along.

- recipe _id
- Recipe_name
- recipe_type
- Recipe_tools
- Recipe_ingredients
- Recipe_instructions
- Post_privacy
- Group_post
- Recipe photo (This is to show the end result of the finished recipe.

Grocery list:

Grocery list table: The items in this list are meant for the user to add ingredients from another table.

- Grocery_list_id
- Ingredients
- tools

Recipe sharing

Sharing Table: The contents in this table will help filter how recipes can be found and made private or public.

- Sharing_id
- Post_public
- Recipe_type

Ingredients

Ingredient table : this table is for the ingredients

- Ingredients_id
- Recipe id

Relationships:

- **One to one**
- **One to many**

  User ⇒ recipe
  Recipe ⇒ ingredients
  Ingredients ⇒ grocery list

- Many to many

```
CREATE TABLE users(
  user_id SERIAL PRIMARY KEY,
  user_first_name VARCHAR(50),
  user_last_name VARCHAR(50),
  user_email VARCHAR(50),
  user_password VARCHAR(500),
  favorite_cuisine VARCHAR(1000),
  bio VARCHAR(1000),
  food_pic TEXT
);

CREATE TABLE posts(
  post_id SERIAL PRIMARY KEY,
  recipe_name VARCHAR(50),
  recipe_picture TEXT,
  time TIMESTAMP,
  is_public_post BOOLEAN,
  ingredients TEXT,
```

```
  tools TEXT,
  author_id INT NOT NULL REFERENCES users(user_id)
);

CREATE TABLE grocery_list(
  grcery_list_id SERIAL PRIMARY KEY,
  recipe_name VARCHAR(100),
  ingredients TEXT
);

CREATE TABLE recipe_sharing (
  recipe_sharing_id SERIAL PRIMARY KEY,
  recipe_name VARCHAR(50),
  recipe_picture TEXT,
  recipe_cook_time TEXT,
  author_id INT NOT NULL REFERENCES users(user_id)
);

CREATE TABLE ingredients (
```

```
  ingredients_id SERIAL PRIMARY KEY,
  recipe_id VARCHAR(50),
  tools TEXT
);
```