Brainstorming

- Users sign in with email and password
- Users can create recipes with different ingredients and instructions (with photos)
- Users can choose if their recipes are public or private
- Users can view other user's recipes
- Users can follow other users
- Ingredients from User's recipes can be added to the user's grocery lists.
- Users can create their own occasions and assign recipes to those occasions

Table Ideas

- User (will hold information about the user)
- Recipes (will hold information about the recipes like ingredients, instructions, and if the
- Follow (holds information about other user's recipes and their content)
- Grocery Lists (hold information about the user's grocery list)
- Occasions (holds info about the occasions the user creates)

Relationships

- **One-to-One**
  -User and Follow because they can only relate to one on each.
- **One-to-Many**
  -Recipes & Follow because one user can access many user's recipes.
  -Recipes & Grocery Lists because the user can access lots of ingredients and add it to one grocery list.
- **Many-to-Many**
  -Grocery list and recipes because they both go through ingredients as an association table.

Columns

- User
  -user_id (to have a number on users)
  -email (user's email so they can sign in)
  -password (user's password so they can sign in)
  -username (personal unique username)
- Recipes
  -recipes_id (have a number on recipes)
  -ingredients_id (a number on specific ingredients)

-ingredients content (so they can have the text info on ingredients)
-instructions content (so they know how to make recipes)
-public or private (will be a boolean to see if recipe is public or private)

- Follow
  -follow_id (keep track of follows)
  -follower (user_id) (ids of who is following user)
  -following (user_id) (ids of who user is following)
  -recipes_id (to get id of recipes of other users)
  -recipes content (text) (content of the recipes they want to see)

- Grocery Lists
  -grocery_list_id (to keep a number on user's grocery list)
  -recipes_id (to access specific recipes)
  -ingredients_id (to access specific ingredients to add to user's grocery list)

- Occasions
  -occasions_id (to keep a number on specific occasions)
  -recipes_id (to access specific recipes)
  -occasions content (content of occasion)

```
CREATE TABLE users (
user_id SERIAL PRIMARY KEY,
email VARCHAR(100),
password VARCHAR(40),
username VARCHAR(30)
)

CREATE TABLE ingredients (
ingredients_id SERIAL PRIMARY KEY,
ingredients TEXT
)

CREATE TABLE recipes (
recipes_id SERIAL PRIMARY KEY,
ingredients_id INTEGER REFERENCES ingredients(ingredients_id),
ingredients TEXT,
instructions TEXT,
is_public BOOLEAN
)

CREATE TABLE follow (
follow_id SERIAL PRIMARY KEY,
follower_id INTEGER REFERENCES users(user_id),
```

```
following_id INTEGER REFERENCES users(user_id),
user_recipes_id INTEGER REFERENCES recipes(recipes_id)
)


CREATE TABLE grocery_list (
  grocery_list_id SERIAL PRIMARY KEY,
  recipes_id INTEGER REFERENCES recipes(recipes_id),
  ingredients_id INTEGER REFERENCES ingredients(ingredients_id)
)

CREATE TABLE occasions (
  occasions_id SERIAL PRIMARY KEY,
  recipes_id INTEGER REFERENCES recipes(recipes_id),
  occasions TEXT
)
```