Brainstorming:

- 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

DATA:

- user email
- user password
- username
- user recipe list
- user event list
- recipes
- ingredients
- recipe posts
- grocery list
- events
- event meals
- private recipes
- shared recipes
- event dates/times
- event host
- event participants

TABLE IDEAS:

User:
- user name
- User password
- User email
- User phone

Event:
- event_date/times
- event_host
- event_info

RECIPES:
- recipe_post
- public or private

Ingredients:
- Recipe
- Ingredients

RELATIONSHIPS:

One-to-one
- User ===> event_host

One-to-many
- User ===> recipe_post
- Recipe_post ===> ingredients

Many-to-many
- Ingredients ===> grocery_list

COLUMNS:
- Users:
    - User_name
        - To Have the name of the user
        - VARCHAR was used to give space for their name.
    - User_email
        - To have some contact info
        - VARCHAR, to give them space to fill out some contact info.
    - User_phone
        - An additional contact info in case they want to have a secondary method of contact.
        - INT, Usually phone numbers are only so long.

- Event
    - Event_host
        - To show who is putting on the event
        - Referenced user_name, already had a row made for the person.
    - Event_name
        - Name and info about the event
        - VARCHAR, wanted to limit the amount of typing needed.
    - Event_recipe
        - The featured recipe
        - VARCHAR, a recipe usually only has so much written on it
    - Event_date
        - The date the event is happening.
        - DATE, so I can have the information formatted as a date.
- Recipes
    - Created_by
        - To keep track of who the creator of the recipe is
        - Reference to user
    - Recipe
        - The actual recipe
        - VARCHAR, to give space to write the recipe
    - Shared
        - To see if they want to share the recipe or not
        - BOOLEAN, to show if it is true or not if it is shared
    - Photo_url
        - Mostly a place holder but to show what the meal looks like.
        - Text, used it in the code-along as a place holder.
- Ingredients
    - Recipe_ref
        - Wanted a recipe reference
        - Referenced the recipe
    - Ingredient
        - Want to list the ingredients
        - VARCHAR, so it can use multiple characters
    - Ingredient_amount
        - To record the amount needed of specific Item
        - INT, you don’t usually need a lot of stuff for most recipes.

```
CREATE TABLE user_person (
  user_id SERIAL PRIMARY KEY,
  user_name VARCHAR(50),
  user_email VARCHAR(50),
  user_phone INT
);

CREATE TABLE recipes (
  recipes_id SERIAL PRIMARY KEY,
  created_by INT NOT NULL REFERENCES user_person(user_id),
  recipe VARCHAR(1000),
  shared BOOLEAN,
  photo_url TEXT
);

CREATE TABLE event (
  event_id SERIAL PRIMARY KEY,
  event_host INT NOT NULL REFERENCES user_person(user_id),
  event_name VARCHAR(50),
  event_recipe INT NOT NULL REFERENCES recipes(recipes_id),
  Event_date DATE
);

CREATE TABLE ingredients (
  grocery_id SERIAL PRIMARY KEY,
  recipe_ref INT NOT NULL REFERENCES recipes(recipes_id),
  ingredient VARCHAR(50),
  ingredent_amount INT
);


INSERT INTO user_person(user_name, user_email, user_phone)
VALUES('Billy', 'Contactme.com', 5553332);

INSERT INTO user_person(user_name, user_email, user_phone)
VALUES('Wilma', 'Contactme.com', 9998572);

INSERT INTO recipes(created_by, recipe, shared, photo_url)
VALUES (1, 'Toast, put it in the toaster, butter it and enjoy!', TRUE, 'Perfect toast');

INSERT INTO recipes(created_by, recipe, shared, photo_url)
VALUES (2, 'EGGS, Crack em, cook em, eat em', FALSE, 'EGGS');
```

```
INSERT INTO recipes(created_by, recipe, shared, photo_url)
VALUES (2, 'Gobber, drop goop in pan, cook for 10 min. Cool for 5 min. EAT!', TRUE,
'GOBBER');

INSERT INTO event(event_name, event_host, event_date, event_recipe)
VAlUES ('Cook GOBBER', 2, 1988-12-05, 3);

INSERT INTO ingredients(recipe_ref, ingredient, ingredent_amount)
VALUES (1, 'Bread Slice', 1)
```