- 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 - these are the users of the website

Name

Email

Password

Recipe - this is the recipe names

Recipe_id

recipe_name

Full_recipe - this is the complete recipe

full_recipe_id

Recipe_id

User_id

Recipe_ingredients_id

Instructions

public(boolean)

Recipe_ingredients - these are the ingredients for a specific recipe

Recipe_ingredients_id

Ingredients_id

Ingredients - these are the ingredients for the grocery and recipe ingredient lists

Ingredients_id

Ingredient_name

Grocery_lists - these are the lists of ingredients for a grocery list

Grocery_list_id

Ingredients_id

Occasions - these are the holiday names

Occassions_id

Occasion

Occasion_recipe - these are recipes for particular holidays

Occasion_recipe_id

Occasion_id

recipe_id

RELATIONSHIPS

One-to-one

One-to-many

Many-to-many

Users

Recipe

Full_recipe

Recipe_ingredients

Ingredients

Grocery_lists

Occasions

Occasion_recipe

COLUMNS

Users

Recipe

Full_recipe

Recipe_ingredients

Ingredients

Grocery_lists

Occasions

Occasion_recipe

```
CREATE TABLE users (
        user_id SERIAL PRIMARY KEY,
  name VARCHAR(30) NOT NULL,
  email VARCHAR(30) NOT NULL,
  password VARCHAR NOT NULL
  );

CREATE TABLE recipe_ingredients (
  recipe_ingredients_id SERIAL PRIMARY KEY,
  ingredients_id INTEGER NOT NULL REFERENCES ingredients(ingredients_id)
  );

CREATE TABLE grocery_lists (
        grocery_list_id SERIAL PRIMARY KEY,
  ingredients_id INTEGER NOT NULL REFERENCES ingredients(ingredients_id)
  user_id INTEGER NOT NULL REFERENCES users(user_id)
  );

CREATE TABLE ingredients (
        ingredients_id SERIAL PRIMARY KEY,
  ingredient_name VARCHAR(30) NOT NULL
  );

CREATE TABLE full_recipe (
  full_recipe_id SERIAL PRIMARY KEY,
  user_id INTEGER NOT NULL REFERENCES users(user_id),
  recipe_id INTEGER NOT NULL REFERENCES recipe(reipe_id),
  recipe_ingredients_id INTEGER NOT NULL REFERENCES
recipe_ingredients(recipe_ingredients_id),
  instructions VARCHAR(300) NOT NULL,
  pulic_recipe BOOLEAN NOT NULL
```

```
  );

CREATE TABLE recipe (
  recipe_id SERIAL PRIMARY KEY,
  recipe_name VARCHAR(30) NOT NULL
  );

CREATE TABLE occasions (
  occasions_id SERIAL PRIMARY KEY,
  occasion VARCHAR(30) NOT NULL
  );

CREATE TABLE occasssions_recipe (
  occasion_recipe_id SERIAL PRIMARY KEY,
  occasion_id INTEGER NOT NULL REFERENCES occasions(occasions_id),
  recipe_id INTEGER NOT NULL REFERENCES recipe(recipe_id)
  );
```