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 the occasion

Table Ideas
- Users - holds information about the users
- Private recipes
- Public recipes
- Ingredients - things we need to make the recipe
- Grocery list - needed to make the recipes
- Occasion -

Relationships
One to one
- User and grocery list

One to many
- Users and grocery list
- Users and occasions
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Many to many
- Users and public recipes
- Users and private recipes
- Ingredients and private recipes
- Ingredients and public recipes
- Ingredients and grocery list
- Occasions and recipes

Creating Tables
CREATE TABLE users (
        user_id SERIAL PRIMARY KEY,
        name VARCHAR (100),
        email VARCHAR (50),
        password VARCHAR(50)
)

CREATE TABLE recipes (
        user_id INTEGER NOT NULL REFERENCES users(user_id)
        recipe_id SERIAL PRIMARY KEY
        ingredients STRING(200)
        recipe_name VARCHAR(50)

```
        recipe_instruction(text)
        private BOOLEAN
)

CREATE TABLE ingredients(
        ingredient_id SERIAL PRIMARY KEY
        private BOOLEAN REFERENCES recipes(private)
        ingredient_name VARCHAR(200)
        recipe_id INTEGER REFERENCES recipes(recepie_id)
)
```