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

Brain storming:

Username, user email, password, recipe, private or public, ingredients, description, grocery list

Table ideas

- User:
    - User email
    - User password
    - Username
    - User phone number
- Recipe:
    - Recipe info
    - Description
    - Private or public
- Ingredients
    - Add ingredients
    - Description
- Grocery list
    - Add ingredients from recipe
- Occasions
    - Timestamp

Relationships:

One to many:

- User => recipe
- User ➔ grocery list
- User ==> ingredients
- User => occasion
- Ingredients => recipe

- Ingredients => grocery list
- Recipe => occasion

Many to many

Columns:

```
CREATE TABLE users(

 user_id SELECT PRIMARY KEY,

 user_name VARCHAR(50),

 user_email VARCHAR(50),

 user_password VARCHAR(50),

 user_phone INT

);

CREATE TABLE recipe(

 recipe_id SELECT PRIMARY KEY,

 user_id INT NOT NULL REFERENCES users(user_id),

 photo_url TEXT,

 post_time TIMESTAMP,

 private_public BOOLEAN

);

CREATE TABLE ingredients(

 ingredients_id SELECT PRIMARY KEY,

 recipe_id INT NOT NULL REFERENCES recipe(recipe_id),

 description VARCHAR(300)

);

CREATE TABLE groceryList(
```

```
  groceryList_id SELECT PRIMARY KEY,
  ingredients_id INT NOT NULL REFERENCES ingredients(ingredients_id)
);
CREATE TABLE occasion(
  occasion_id SELECT PRIMARY KEY,
  recipe_id INT NOT NULL REFERENCES recipe(recipe_id),
  ingredients_id INT NOT NULL REFERENCES ingredients(ingredients_id)
);
```