Users Table

- User id
- User email
- User password

Recipe table

Recipe id

recipe ingredients ID

Recipe instruction

Recipe public?

User id

Occasions

- Occasion id
- Recipe id
- User id

User_recipe table

User id

Recipe id

Grocery list table

List id

User id

Ingredient id

Recipe id

Ingredient

Ingredient id

Recipe id

Relationships

One to one

One to many

User⇔recipe

User⇔grocery list

user⇔occasions

Many to many

Recipe⇔occasion

Recipe⇔ingredients

```
CREATE TABLE "recipes" (
CREATE TABLE "occasions" (
CREATE TABLE "user recipes" (
CREATE TABLE "Grocery list" (
CREATE TABLE "ingredients" (
```

```
"ingredients" ("ingredient id");
ALTER TABLE "recipes" ADD FOREIGN KEY ("user id") REFERENCES "users"
("user id");
ALTER TABLE "occasions" ADD FOREIGN KEY ("recipe id") REFERENCES "recipes"
("recipe id");
ALTER TABLE "occasions" ADD FOREIGN KEY ("user id") REFERENCES "users"
("user id");
ALTER TABLE "user recipes" ADD FOREIGN KEY ("user id") REFERENCES "users"
("user id");
ALTER TABLE "user recipes" ADD FOREIGN KEY ("recipe_id") REFERENCES
"recipes" ("recipe id");
ALTER TABLE "Grocery list" ADD FOREIGN KEY ("user id") REFERENCES "users"
("user id");
ALTER TABLE "Grocery list" ADD FOREIGN KEY ("ingredient id") REFERENCES
"ingredients" ("ingredient id");
ALTER TABLE "Grocery list" ADD FOREIGN KEY ("recipe id") REFERENCES
"recipes" ("recipe id");
ALTER TABLE "ingredients" ADD FOREIGN KEY ("recipe id") REFERENCES
"recipes" ("recipe id");
```