

---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

---Brainstorming---

Users

Password

Emails

Recipes

ingredients

instructions

grocery lists

Occasions

---Table Ideas---

-User: This will hold user information

User ID

first name

last name

nickname/alias

Password

Email

-Recipe: This will hold recipes for each user.

recipes ID

User ID (REF)

ingredients ID (REF)

instructions ID (REF)

-Ingredients: This will hold the ingredients for each recipe

ingredients ID

-Instructions: This will hold the instructions for each recipe

instruction ID

-Grocery list: This will hold each users grocery list

grocery list ID

User ID (REF)
receipe ID (REF)

-Occasions: This will hold each users occasion.

occasions ID
User ID (REF)
recipies (REF)

---Relationships---

- One-to-many

Instruction is connected to recipe
This is so each recipe can gether ingredients from one place.

Ingredients is connected to recipe

The recipe list needs the ingredients connected so the user knows
what they need for the recipe.

- Many-to-many

Users connected to recipe and recipe is connected to user.
Users can see recipes and can have their own recipe.

---Statements---

```
CREATE TABLE "User" (  
    "user_id" serial NOT NULL,  
    "recipe_id" integer NOT NULL,  
    "first_name" varchar(40) NOT NULL,  
    "last_name" varchar(40) NOT NULL,  
    "nickname" varchar(10) NOT NULL,  
    "password" varchar(100) NOT NULL,  
    "email" varchar(100) NOT NULL,  
    CONSTRAINT "User_pk" PRIMARY KEY ("user_id")  
) WITH (  
    OIDS=FALSE  
) ;
```

```
CREATE TABLE "Recipe" (  
    "recipe_id" serial NOT NULL,  
    "user_id" integer NOT NULL,  
    "ingredients_id" integer NOT NULL,
```

```

        "instruction_id" integer NOT NULL,
        "Public" BOOLEAN NOT NULL,
        CONSTRAINT "Recipe_pk" PRIMARY KEY ("recipe_id")
    ) WITH (
        OIDS=FALSE
    );

```

```

CREATE TABLE "Ingredients" (
    "ingredients_id" serial NOT NULL,
    CONSTRAINT "Ingredients_pk" PRIMARY KEY ("ingredients_id")
) WITH (
    OIDS=FALSE
);

```

```

CREATE TABLE "Instructions" (
    "instruction_id" serial NOT NULL,
    CONSTRAINT "Instructions_pk" PRIMARY KEY ("instruction_id")
) WITH (
    OIDS=FALSE
);

```

```

CREATE TABLE "Grocery" (
    "grocery_id" serial NOT NULL,
    "user_id" integer NOT NULL,
    "recipe_id" integer NOT NULL,
    CONSTRAINT "Grocery_pk" PRIMARY KEY ("grocery_id")
) WITH (
    OIDS=FALSE
);

```

```

CREATE TABLE "Occasion" (
    "occasion_id" serial NOT NULL,
    "user_id" integer NOT NULL,
    "recipe_id" integer NOT NULL,
    "occasion_type" TEXT NOT NULL,
    "Date" DATE NOT NULL,
    "Time" time with time zone NOT NULL,
    CONSTRAINT "Occasion_pk" PRIMARY KEY ("occasion_id")
) WITH (
    OIDS=FALSE
);

```