

Summary

We want to create a recipe creating/sharing and grocery list app. You'll be planning out what tables we'll need, what information they'll store, and how the data will relate to each other.

Features

- users can sign into the app with their email and password
 - User_id, email, pass, name
- users can create recipes with ingredients and instructions
 - Recipe_id, recipe_name, ingredient_name, instructions
- recipes can be marked as public or private
 - Public, private (ref: recipe_id)
- users can view other people's recipes
- ingredients from recipes can be added to user's grocery lists
 - Grocery_list_id, grocery_items
- users can create their own occasions and assign recipes to occasions
 - Occasion_name, (ref user_id), (ref recipe_name), date

Brainstorming

- Name
- User names
- Email
- Passwords
- Phone number
- Public recipes
- Private recipes
- Grocery lists
- Ingredients
- Occasions/Holidays/Events
- Date
- Follower lists

Table Ideas

- Users (Information on authentication, profile)
- Recipes (Information on ingredients, instructions)
- Grocery (Information on possible ingredients missing)
- Occasions/Date

Relationships

- ONE to ONE
 - User to Grocery List
 - User to Auth(?)
- ONE to MANY
 - User to Recipes
 - User to Occasions
- MANY to MANY
 - Ingredients to Recipes

Columns

☐ Users

- ☐ User id
- ☐ Name
- ☐ Email
- ☐ Password
- ☐ Phone number

☐ Recipes

- ☐ Recipe id
- ☐ Public recipe
- ☐ Private recipe
- ☐ Instructions

☐ Grocery

- ☐ Grocery id
- ☐ Grocery list
- ☐ Ingredients

☐ Dates/Occasions

- ☐ Date id
- ☐ Date

```
CREATE TABLE "public.Grocery" (  
    "Grocery_id" serial NOT NULL,  
    "Grocery_list" serial NOT NULL,  
    CONSTRAINT "Grocery_pk" PRIMARY KEY ("Grocery_id")  
) WITH (  
    OIDS=FALSE  
);
```

```
CREATE TABLE "public.Users" (  
    "user_id" BINARY(255) NOT NULL,  
    "Name" varchar(255) NOT NULL,  
    "Email" varchar(255) NOT NULL,  
    "Password" varchar(255) NOT NULL,  
    "Phone_number" integer(255) NOT NULL,  
    CONSTRAINT "Users_pk" PRIMARY KEY ("user_id")  
) WITH (  
    OIDS=FALSE  
);
```

```
CREATE TABLE "public.Recipes" (  
    "Recipes_id" serial NOT NULL,  
    "Public Recipe" TEXT NOT NULL,  
    "Private Recipe" TEXT NOT NULL,  
    "Instructions" serial NOT NULL,  
    "Ingredients" TEXT NOT NULL,  
    CONSTRAINT "Recipes_pk" PRIMARY KEY ("Recipes_id")  
) WITH (  
    OIDS=FALSE  
);
```

```
CREATE TABLE "public.Occasions/Events" (  
    "event_id" serial NOT NULL,  
    "System_date" serial NOT NULL,  
    "event_name" varchar(255) NOT NULL,  
    CONSTRAINT "Occasions/Events_pk" PRIMARY KEY ("event_id")  
) WITH (  
    OIDS=FALSE  
);
```

