

## 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  
);
```

