

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
- 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 & Tables & Columns:

- user table
 - email (varchar: insert email)
 - user ID (primary key)
 - password (varchar: insert password)
- Create_recipe
 - user_id of creator (primary key, brought from user table)
 - recipe_id (primary key, makes unique recipe id each time)
 - instructions: (text box to type out what your instructions will be to make the recipe)
 - visibility: (boolean: of public true or false)
 - ingredient_id (primary key, needs to be unique and incrementing)
- grocery_list
 - move ingredient_id
 - move user id to list
- create_occasion
 - connects to user_id and recipe_id

Relationships:

Ingredients to grocery lists: many to many

Lots of ingredients can go to in lots grocery lists

Recipes to ingredients: many to many

Lots of ingredients can be in many recipes

User to recipes: one to many

One user can access many recipes

User to occasions: many to many

Users can access many occasions and occasions can have many users

User to grocery lists: one to many

One user has many grocery lists
Recipes to occasions: many to many
Occasions can have many recipes and many recipes can go to different occasions

SQL:

```
CREATE TABLE users(  
  user_id SERIAL PRIMARY KEY,  
  email varchar(255),  
  password varchar(255)  
);
```

```
CREATE TABLE ingredients(  
  ingredient_id SERIAL PRIMARY KEY  
  Ingredient_name varchar(255),  
);
```

```
CREATE TABLE create_recipe(  
  recipe_id SERIAL PRIMARY KEY,  
  instructions TEXT,  
  visibility boolean,  
  ingredient_id integer unique REFERENCES ingredients(ingredient_id),  
  user_id integer unique references users(user_id)  
);
```

```
CREATE TABLE grocery_list(  
  list_id SERIAL PRIMARY KEY,  
  ingredient_id integer unique REFERENCES ingredients(ingredient_id),  
  user_id integer unique references users(user_id)  
);
```

```
CREATE TABLE occasions(  
  occasions_id SERIAL PRIMARY KEY,  
  user_id integer unique REFERENCES users(user_id),  
  recipe_id integer unique references create_recipe(recipe_id)  
);
```

```
insert into users (email, password)  
values('sdhsdf@hdf.com','sdhaf');
```

```
insert into create_recipe (instructions, visibility)  
values ('Step one, turn on the oven. Step two, bake the bread.', false)
```