

**Brainstorming:**

Username  
Email  
Password  
First name  
Last name  
Recipes  
Grocery list  
Occasion/event  
Public/private checkbox/boolean?

Create lists and text paragraphs for instructions  
Ability to share recipe with public/private  
List of ingredients can be added to grocery list  
Create occasion/event and save recipe to that occasion

**Table ideas:****Users**

User email, Username, User password, user first name, user last name, grocery list  
Contains user information, each row is different information about the user

**Recipes**

Recipe id, author id, recipe name, list of ingredients, text instructions, public/private  
Contains recipe info, each row is a different part of the recipe object

**Occasion/event**

Occasion/event id, Occasion/event name, list of recipe\_id  
Holds occasion info containing event name and any recipes attached to that occasion

**Relationships:**

One to one:

Grocery list => user

One to many:

User => Recipes

Many to many:

User => Occasion

Recipes => Occasion

Grocery list => user

**Columns:****Users**

user\_id - identify every user, unique number  
user\_email - text of users email  
username - text of the chosen username  
user\_password - text of the chosen password (later hashed)  
user\_firstname - text of the users first name

user\_lastname - text of the users last name  
user\_grocerylist - text of the users ingredients to purchase  
user\_recipes - saved recipes from recipe list

### **Recipes:**

recipe\_id - unique number to identify recipes  
author\_id - number linked to user\_id to find who made the recipe  
recipe\_name - text of the recipe name  
ingredients\_list - text of ingredients needed for the recipe  
directions - text of directions for the recipe  
is\_private - boolean to toggle if the recipe will be shared or kept private to that user

### **Occasion:**

occasion\_id - unique number to identify occasions  
author\_id - number linked to user\_id to find who made the occasion  
occasion\_name - text for the name of the occasion  
occasion\_recipe - text linked to recipes for certain occasions

```
CREATE TABLE users(  
  user_id SERIAL PRIMARY KEY,  
  user_email VARCHAR(50),  
  username VARCHAR (50),  
  user_password VARCHAR(500),  
  user_firstname VARCHAR(50),  
  user_lastname VARCHAR(100),  
  user_grocerylist TEXT,  
  user_recipes NOT NULL REFERENCES recipes(recipe_id)  
);
```

```
CREATE TABLE recipes(  
  recipe_id SERIAL PRIMARY KEY,  
  author_id INT NOT NULL REFERENCES users(user_id),  
  recipe_name VARCHAR(100),  
  ingredients_list VARCHAR(1000),  
  directions VARCHAR(5000),  
  is_private BOOLEAN  
);
```

```
CREATE TABLE occasion(  
  occasion_id SERIAL PRIMARY KEY,  
  author_id INT NOT NULL REFERENCES users(user_id),
```

```
occassion_name VARCHAR(100),  
occasion_recipes VARCHAR NOT NULL REFERENCES recipes(recipe_name)  
);
```