

Brainstorming

- Username
- Password
- Email
- First name
- Last name
- Recipes
- Ingredients
- Instructions
- Friends
- Posts
- Groceries
- Different types of food/ingredients
- Images

Table Ideas

```
CREATE TABLE users (  
  user_id SERIAL PRIMARY KEY,  
  email VARCHAR(255),  
  password VARCHAR(100),  
  first_name VARCHAR(255),  
  last_name VARCHAR(255),  
);
```

This table will have the id of the user, and all other information to log into the users profile

```
CREATE TABLE recipes (  
  recipes_id SERIAL PRIMARY KEY,  
  user_id INTEGER NOT NULL REFERENCES users(user_id),  
  ingredients TEXT,  
  instructions TEXT,  
  public BOOLEAN false,  
);
```

This table will be presenting the recipes the user has created with all the ingredients posted, they can choose to make each recipe public or not

```
CREATE TABLE grocery_list (
grocery_id SERIAL PRIMARY KEY,
user_id INTEGER NOT NULL REFERENCES users(user_id),
recipes_id INTEGER NOT NULL REFERENCES recipes(recipes_id),
vegetables TEXT,
meats TEXT,
fruits TEXT,
wheats TEXT,
seasonings TEXT,
);
```

This table will be a set list of all the ingredients a user needs to create a certain recipe. They are able to view the recipe and the ingredients tied with the certain recipe.

```
CREATE TABLE occasions (
occasion_id SERIAL PRIMARY KEY,
recipes_id INTEGER NOT NULL REFERENCES recipes(recipes_id),
date DATE,
location TEXT,
);
```

The occasion table will list all the occasions and all the recipes correlated to each occasion.

```
CREATE TABLE viewable (
1.viewable_id SERIAL PRIMARY KEY,
2.recipes_id INTEGER NOT NULL REFERENCES recipes(recipes_id),
3.public BOOLEAN NOT NULL REFERENCES recipes(public),
);
```

The viewable table is whether a user can view another's recipe or not

Relationships:

One to one:

Ingredients => Recipes

One to many:

Viewable=> User

Viewable=>Recipes

Occasions => Grocery List, Recipes

Many to many:

Users => Recipes, Grocery List, Viewable, Occasions

Grocery => Recipes

1. Viewable=> User

It will see which user is currently trying to get into its profile

2. Viewable=>Recipes

It will see if the recipe is viewable or not

3. Occasions => Recipes

Users will reference the recipe they want to use during any occasion

4. Users => Recipes, Grocery List, Viewable, Occasions

User will access all of the different categories to best suit their wants and needs

5. Recipe=> Grocery

The grocery will correlate with the recipes and any ingredients tied to the recipe. The user will then know what to buy

6. Grocery List => Recipes

All of the ingredients will be inserted into the recipe ingredients

Columns

User:

User id and its serial because its the primary key

Email and all other login info is varchar for the user to enter in the info

Recipes:

Recipe id and its serial because its the primary key

User_id is connected to save the recipes they had made, and itll save the instructions and ingredients for future use of each recipe

Grocery List:

Grocery id and its serial because its the primary key

Recipe and user id are used to the recipe the user is using and what ingredients they would like to purchase

Viewable:

Viewable id to categorize it in the table and serial as its the primary key

Recipe id, user id, and public are all necessary for the user to make sure if they would like to have the recipe be shown

Occasions:

The occasion id to categorize it in the table and serial as its the primary key

Recipe id is needed to see what recipes are going to be at the occasion

And the date and location are listed in order to schedule the recipe details