RECIPE CREATING/SHARING AND GROCERY LIST APP

**Brainstorming list:**

1. User profile
2. Sign in using email and password.
3. Occasions (almost like groups)
4. Create page (can assign to an occasion)
5. Posts
6. Comments
7. Ingredients/instructions
8. Grocery lists
9. Recipes (to be marked as public or private) (able to save it to your grocery list)
10. Categories
11. Followers or following accounts.
12. Search page

**Table ideas:**

**Recipes table: This will have the info for the different recipes.**

1. Recipes\_id
2. User\_id(foreign key)
3. name
4. Ingredients
5. Instructions
6. Grocery list
7. Comments
8. Category\_id
9. Public / private feature (true/false)
10. Saved/shared (true/false)

**Users table: This table will be for the user and its info.**

1. User\_id
2. User\_name
3. Email
4. Password
5. Followers
6. Following
7. recipes
8. posts
9. recipe\_id
10. saved

**Search table: This table will be for searching different recipes, categories, and users.**

1. category\_id
2. recipes\_id
3. search feature(button)
4. follow(user\_id)

**Posts/feed table: This will be where the user can see the different posts from users and categories.**

1. people you are following. User\_id
2. Search
3. Category\_id (foreign key)
4. Comments

**Grocery table: This table will have the different ingredients for recipes and the categories that they may be in.**

1. Grocery\_id
2. Recipies\_id(foreign keys)
3. Category\_id(foreign key)
4. text

**Category table: This table will be for the categories and the different recipes that they will have.**

1. category\_id
2. occasions name
3. recipes\_id
4. user\_id

**relationships:**

**one to one:**

1. user to recipe because user can have a recipe.

**one to many:**

1. Recipe table to user table because a user can have many recipes.
2. Recipe to category one recipe can be in many different categories
3. Grocery table to categories and recipes

**many to many:**

1. Feed to category is here because the feed is a combo of everything.
2. Category to recipe. Different categories that can show more than one recipe.
3. Categories to groceries to recipes

**Columns:**

In **category** the **category\_id** is a **serial** because it will be a **primary key** because there will be different categories.

The name in **category** is **VARCHAR** because it will just be a name.

The **recipe\_id** in **category** is a **foreign key** and an **interger** because it will just be getting the **recipe\_id** from **recipe**.

The **user\_id** in **category** is a **foreign key** and an **integer** because it will just be getting the **id** from **user**.

The **user\_id** is a **serial primary key** because there will be different users.

The **username** is **VARCHAR** because it will just simply be a name.

**Followers** will be an **integer** to just who how many there are.

**Following** will also be an **integer** to show how many there are.

**Recipe\_id** will be a **foreign key** and an **integer** because it will be getting the id from recipe.

**Password** will be **VARCHAR** just because it will be a password.

**Email** will also be **VARCHAR** and unique in order to make it so that one email has one account.

**Post** will be **text**.

**Saved** will be a **Boolean** just because it will tell whether it was saved or not.

The **category\_id** will be a **foreign key** and an **integer** in **search**.

The **recipe\_id** will be a **foreign key** and an **integer** as **well**.

**Search** will be **text**.

**User\_id** will be a **foreign key** and an **integer**.

The **grocery\_id** will be a **serial primary key** because there will be different lists.

The **recipe\_id** will be a **foreign** **key** and an **integer** in **grocery**.

The **category\_id** will also be a **foreign** **key** and an **integer**.

**Text** will just be **text**.

The **user\_id** in feed will be **a foreign key** and an **integer.**

**Search** will simply be **text**.

**Category\_id** will be a **foreign** **key** and an **integer**.

**Comments** will be **VARCHAR** as to not have to big of a comment.

**Recipe\_id** will be a **serial primary key** because there will be **different recipes**.

**User\_id** will be **an integer** and a **foreign key** because it will be getting it from **user**.

**Name** will be **VARHCAR** to keep names simple.

**Ingredients** will also be **VARCHAR** for the same reason.

**Instructions** will be **text** to make the instructions as specific as possible.

**Grocery\_id** will be a **foreign key** and **an integer** because it will get it form **grocery.**

**Comments** will be **VARCHAR** as to make comments not too big.

**Category\_id** will be a **foreign key** and **an integer** because it will get it from **category.**

**Public/private** will be a **Boolean** for true or false.

**Saved** and **shared** will also be a **Boolean** for that same reason.

CREATE TABLE user (

user\_id SERIAL PRIMARY KEY,

username VARCHAR(255),

followers INTEGER(255),

following INTEGER(255),

recipe\_id INTEGER NOT NULL REFERENCES recipe(recipe\_id),

password VARCHAR(255),

email VARCHAR(255),

posts TEXT,

saved BOOLEAN

);

CREATE TABLE category (

category\_id SERIAL PRIMARY KEY,

name VARCHAR(255),

recipe\_id INTEGER NOT NULL REFERENCES recipe(recipe\_id),

user\_id INTEGER NOT NULL REFERENCES user(user\_id)

);

CREATE TABLE grocery (

grocery\_id SERIAL PRIMARY KEY,

recipe\_id INTEGER NOT NULL REFERENCES recipe(recipe\_id),

category\_id INTEGER NOT NULL REFERENCES category(category\_id),

text

);

CREATE TABLE recipe (

recipe\_id SERIAL PRIMARY KEY,

user\_id INTEGER NOT NULL REFERENCES user(user\_id),

name VARCHAR(255),

ingredients VARCHAR(255),

instructions text,

grocery\_id INTEGER NOT NULL REFERENCES grocery(grocery\_id),

comments TEXT,

category\_id INTEGER NOT NULL REFERENCES category(category\_id),

public\_private BOOLEAN,

saved BOOLEAN,

shared BOOLEAN,

);

CREATE TABLE feed (

user\_id INTEGER NOT NULL REFERENCES user(user\_id),

search TEXT,

category\_id INTEGER NOT NULL REFERENCES category(category\_id),

comments VARCHAR(255)

);

CREATE TABLE search (

category\_id INTEGER NOT NULL REFERENCES category(category\_id),

recipe\_id INTEGER NOT NULL REFERENCES recipe(recipe\_id),

search TEXT,

user\_id INTEGER NOT NULL REFERENCES user(user\_id)

);