Brainstorming:

- User email
- User password
- User name

- Recipe list
- Recipe photo
- Ingredient list
- Instructions
- Recipe private
- Recipe public

- Author of recipe

Users table:

- User email
- User password
- User name

Saved Posts/Recipes:
-
- Occasions:
- Date/time
- Post/recipes

Recipe Post:

- Photo of result
- Ingredient list
- Instruction text
- Author of recipe

Grocery List:
- Saved recipe list

Table Ideas:

- User Table: Table will hold the information about each users.

- Saved Posts/Recipes: Will hold the saved posts and recipes for each user.
-
- Recipe Post: The table will hold a photo, ingredient list, instructions, and author of recipe for each post.
-
- Grocery list: Will hold the data for each save recipe.

Relationships:

One to one:

One to many:
- User===>post = a user can post many posts but post can only have 1 user.
- User===> grocery lists = user can have many saved grocery lists.
- User===> Occasions

Many to many:
- User====> saved posts = user can save many posts and posts can have many users saving it.
- User====>saved recipe lists = user can save many recipe lists and lists can have many users saving it.

I added user====> grocery lists so users can save a grocery list for their save recipe.

Column:

USER TABLE:
- user_name: To store the users username.
- user_email: To store the users email.
- user_password: To store the users password.

POSTS TABLE:
- photo_url: To show a picture of the recipe being posted.
- post_time: To show the time the post was posted.
- Post content: To display what was posted in the recipe.
- is_post_public: To show if the post is public or private.

SAVED POSTS TABLE:
- post_id: To reference the post that is being saved.

OCCASIONS TABLE:
- saved_posts_id: To reference which post was saved.
- date_time: To show when the user wants to use this data.

GROCERY LIST TABLE:

- user_id: To reference the list to the user who saved it.
- grocery_list_content: To show what is in the grocery list.

```
CREATE TABLE users(
  user_id SERIAL PRIMARY KEY,
  user_name VARCHAR(50),
  user_email VARCHAR(50),
  user_password VARCAHR(50)
);

CREATE TABLE posts(
  post_id SERIAL PRIMARY KEY,
  user_id INT NOT NULL REFERENCES users(user_id),
  photo_url TEXT,
  post_time TIMESTAMP,
  post_content TEXT,
  is_post_public BOOLEAN
);

CREATE TABLE saved_posts(
  saved_posts_id SERIAL PRIMARY KEY,
  post_id INT NOT NULL REFERENCES posts(post_id)
);

CREATE TABLE occasions(
  occasion_id SERIAL PRIMARY KEY,
  saved_posts_id INT NOT NULL REFERENCES saved_posts(saved_posts_id),
  date_time date
);


CREATE TABLE grocery_list(
  grocery_id SERIAL PRIMARY KEY,
  user_id INT NOT NULL REFERENCES users(user_id),
  grocery_list_content VARCHAR(1000)
);
```

POSTGRES:

```
CREATE TABLE users(
  user_id SERIAL PRIMARY KEY,
  user_name VARCHAR(50),
  user_email VARCHAR(50),
  user_password VARCHAR(50)
);

INSERT INTO users(user_name, user_email, user_password)
VALUES('Turntlane', 'idk@gmail.com', 'hehehaha');

INSERT INTO users(user_name, user_email, user_password)
VALUES('heyoo', 'idk222@gmail.com', 'hehheehehhea');

SELECT * FROM users


CREATE TABLE posts(
  post_id SERIAL PRIMARY KEY,
  user_id INT NOT NULL REFERENCES users(user_id),
  photo_url TEXT,
  post_time TIMESTAMP,
  post_content TEXT,
  is_post_public BOOLEAN
);

INSERT INTO posts(user_id, photo_url, post_content, is_post_public)
VALUES('1', 'img1.png', 'some recipe here', True);

INSERT INTO posts(user_id, photo_url, post_content, is_post_public)
VALUES('2', 'img3.png', 'some awesome sick recipe here', False);



CREATE TABLE saved_posts(
  saved_posts_id SERIAL PRIMARY KEY,
  post_id INT NOT NULL REFERENCES posts(post_id)
);

CREATE TABLE occasions(
  occasion_id SERIAL PRIMARY KEY,
  saved_posts_id INT NOT NULL REFERENCES saved_posts(saved_posts_id),
  date_time date
);
```

```
CREATE TABLE grocery_list(
  grocery_id SERIAL PRIMARY KEY,
  user_id INT NOT NULL REFERENCES users(user_id),
  grocery_list_content VARCHAR(1000)
);

INSERT INTO grocery_list(user_id, grocery_list_content)
VALUES(1, 'Chicken, Rice, Broccoli');

INSERT INTO grocery_list(user_id, grocery_list_content)
VALUES(2, 'Pizza, cheece, sauce');


SELECT * FROM users
```