FEATURES:
Users sign in using username and password
Users can post their recipes to their followers or everyone
Users can follow other users seeing their recipes
Users can add ingredients to their grocery list
Users can assign recipes to occasions(ex.) dinner, lunch and breakfast

Brainstorming:
Usernames
Passwords
Post/Recipes
Following/followers
Grocery list
Occasions
Group/Private recipes

Table ideas:
Users: user_id, password
Posts: recipes, user_id, occasions
Groups: recipes, users, posts
Grocery list: recipes, ingredients, users

Relationships:
ONE - ONE
Users/grocery list

ONE - MANY
Users/Posts/Recipes

MANY - MANY
Users/Groups/Private recipes

COLUMNS:
Users:
user_id = integer (i did this because there needs to be an id for each user so there isnt 1 million of the same id)
Username = varchar(25) (every user needs a username to go by, as long as its less than 25 characters)
Password = varchar(25) (every username needs a password to log in with or they cant post)
Email = varchar(50) (need an email to sign up for the app, i chose 50 characters in case they have a really long last name)

Posts/Recipes:

Post_id = integer (posts need an id for organization purposes)
Recipe = text (i chose text because recipes can be quite long)
User_id = integer(the post needs to have a user id so they can tell who is posting what)
Occasion = text (occasion meaning what category the recipe falls into, like, dinner , lunch and breakfast)
Ingredients = text (need to know what ingredients are being used for the recipe)

Groups:
Group_id = integer (when you have groups you need an id to keep it all organized)
User_id = integer (need to know what users are in which groups)
Private recipes = text (these are recipes that can only be seen by the people in the group that the recipe is shared to)

Grocery list:
user_ id = integer (need to know whos grocery list it is)
Ingredients = text (need to know what ingredients to buy for certain recipes)
Recipe = text (also can have the recipe right there so you know which ingredients to buy)

SQL CODE:

```
-- CREATE TABLE users (
--   user_id SERIAL PRIMARY KEY,
--   username VARCHAR(25),
--   password VARCHAR(25),
--   email VARCHAR(50)
--    )
-- CREATE TABLE post (
--   post_id SERIAL PRIMARY KEY,
--   recipe TEXT,
--   user_id INT REFERENCES users(user_id),
--   occasion TEXT,
--   ingredients TEXT
--    )

-- CREATE TABLE groups (
--   group_id SERIAL PRIMARY KEY,
--   user_id INT REFERENCES users(user_id),
--   private_recipes TEXT
--    )

CREATE TABLE grocery_list (
```

```
  grocery_id SERIAL PRIMARY KEY,
  user_id INT REFERENCES users(user_id),
  ingredients TEXT,
  recipe TEXT
 )


-- INSERT INTO post (recipe, occasion, ingredients)
--  VALUES ('PB&J', 'any occasion', 'Bread, peanut butter, jam')

SELECT * FROM post
```