Email .
Password.
Create recipes.
Public or private.
View others recipes.
Add ingredients to grocery list from a recipe.
Create an occasion to assign a recipe.

Table ideas

User table:
User email
Name
Password
Grocery list

Post table:
Author
Post text
Post photo
Time of post.
Public or private (boolean)

Recipe table:
Recipe title
Recipe instructions
Author of recipe

Ingredients table:
Ingredients for recipe
Grocery list

Relationships

One to one:
Author to grocery list- author to author's own grocery list.

One to many:
User to post- users recipe post to many other users.
User to others post- other users recipe post to user.

Many to many:

Ingredients- can be used for many recipes
Grocery list- ingredients can be used for many recipes.

Columns:
Email: for contact purposes.
Name, password: personal information
Grocery list: for recipe purposes.

Occassions: Because the instructions said to put it in and also, Christmas.

Author: so they know who wrote the recipe.
Time: so they know what time it was posted.
Public or private: as a boolean.

Recipe title: so the recipe can have a name and be referenced easily.
Author: so they know who wrote the recipe.
Recipe instructions: so they know how to make the recipe.

Ingredients: so they know what's in the recipe.
Grocery list: so they can connect the ingredients for the recipe to their grocery list.

```
CREATE TABLE users(
--   user_id SERIAL PRIMARY KEY,
--   user_name VARCHAR(50),
--   user_email VARCHAR(50),
   user_password VARCHAR(500),
--   user_grocery_list VARCHAR(1000),
--   user_occasions VARCHAR(50))

CREATE TABLE recipes (
    recipe_id SERIAL PRIMARY KEY,
    recipe_title VARCHAR(50),
    user_instruction VARCHAR(500),
    post_instuction VARCHAR(500),
    author_recipe VARCHAR(2000);

CREATE TABLE ingredients (ingredients_id SERIAL PRIMARY KEY,
    grocery_list VARCHAR (1000),
    ingredients VARCHAR (1000));


CREATE TABLE posts (post_id SERIAL PRIMARY KEY,  user_id INT REFERENCES
users(user_id),
 photo_url TEXT,
  post_time TIMESTAMP,
 post_public BOOLEAN DEFAULT TRUE)

CREATE TABLE recipeIngredients ( recipe_ingredients_id SERIAL PRIMARY KEY,
ingredients_id INT NOT NULL REFERENCES ingredients(ingredients_id),
  recipe_id INT NOT NULL REFERENCES recipes(recipes_id);

CREATE TABLE occasions(
  occasions_id SERIAL PRIMARY KEY,
  user_id INT NOT NULL REFERENCES users(user_id),
  recipe_id INT NOT NULL REFERENCES recipe(recipe_id));
```