Brainstorming
Username and password
Table to create their own recipes
Table public/private
Viewing other recipes
Recommended or similar recipes
ingredients/instructions for the recipes that can be added to users list
Grocery list
Table to assign recipes for certain events

Table Ideas
User table
User profile
Recipe table
Ingredients
Instructions
Grocery list
Events table
Public/Private toggle

Relationships
1-1: User->Profile
User only has one profile

1-many: user->All Tables,
User will have to access all the tables to input multiple informations

Many-many: Public table->Users, instructions/ingredients->Users
Multiple public recipes can be used by multiple users.
Multiple instructions/ingredients will be used by multiple users.

Columns
User
We will store all of the users data in order to provide them with recipes and lists according to their likes

Recipe
We will be storing their likes so that the recipes will be food they are interested in

Ingredients/Instructions
We will be storing recipes so that we can so what ones they like and suggest similar ones

Events
We will be storing some of the user information in order to provide better and timely service

Public/Private
We will store recipes based on the users preference

Grocery List
We will store items based on needs for the given recipes

Sandbox SQL

```
create table user(
  user_id int serial primary key,
        email varchar,
  password varchar,
  first_name varchar,
  last_name varchar,
  favorite_foods text,
  calendar date
),

create table events(
        user_id primary key int not null references user(user_id),
  calender date not null references user(calendar),
  recommended recipes text
),

create table ingredients/instructions(
  ingredients text primary key,
  instructions text
),

create table grocery list(
  recipe ingredients text primary key,
  user_id int not null references user(user_id)
),

create table public/private(
  user_id int primary key not null references user(user_id),
  public recipe text not null references recipe(public),
  private recipe text not null references recipe(private)
),

create table recipe(
  ingredients text primary key not null references ingredients/instructions(ingredients),
```

```
  instructions text not null references ingredients/instructions(instructions),
  recipe body text not null references grocery list(recipe ingredients),
  user_id int not null references user(user_id),
  recommended recipes text,
  public text,
  private text
);
```