<u>FEATURES</u>

-users can sign into the app with their email and password

-users can create recipes with ingredients and instructions

-recipes can be marked as public or private

-users can view other people's recipes

-ingredients from recipes can be added to user's grocery lists

-users can create their own occasions and assign recipes to occasions

<u>BRAINSTORMING</u>
- User email and password
- Recipes/Post (recommended or similar)
- Groups/Occasions
- Ingredients/List
- Grocery List
- Public/private toggle
- Instructions

<u>TABLE IDEAS</u>
- User table: Store all user data and provide recipes according to their likes
- Ingredients table: text and instructions for recipes of food they are interested in
- Recipe: we will be storing their likes so that the recipes will be food they are interested in
- Grocery List: we will store items based on needs for the given recipes

- Event/Occasion: we will be storing some of the user information in order to provide better and timely service
- Public and Private: we will store recipes based on the users preferences

RELATIONSHIPS

One to many> User recipe> user to grocery list> user to all tables > user to recipe
One to one > user to profile
Many to many> instructions to users

SQL

```sql
CREATE TABLE user (
  User_id int serial primary key,
  email varchar,
  password varchar,
  First_name varchar,
  Favorite_food text,
  Calendar date
),
CREATE TABLE events (
  User_id primary key int not null references,
  calendar 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(Recipes),
User_id int not null references User(user_id),
Recommended Recipes text,
Public text,
Private text),