- 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

Brainstorming

- Usernames
- User ID
- Recipes
- Public posts
- Private posts
- Viewing recipes
- Grocery list
- Occasions

Table Ideas

- Users
    - This table will hold information about the user each row will be an individual user
- Recipes
    - This table will hold information about recipes each row will be an individual recipe
- Private/Public posts
    - This table will hold information about posts each row will be an individual post
- Grocery List
    - This table will hold information about the grocery list each row will be an individual item on that list
- Event/Occasions
    - This table will hold information about the occasion each row will be an individual event and each event will have many recipes

Relationships

- One-to-one
    - Grocery list because each grocery list will be unique to a single user
- One-to-many
    - Private/Public posts because each user can have many posts but posts can only be made by one user
    - Occasions because each occasion can use many recipes
- Many-to-many

- Recipes because recipes can be used by many users and users can have many recipes

Users

- User ID -pk
- Name
- Email
- Password

Recipes

- Recipe ID -pk
- Users(user ID) -fk
- Ingredients
- Instructions

Private/Public

- Post ID -pk
- Recipes(recipe id) -fk
- Body

Grocery List

- List ID -pk
- Recipes(recipe ID) -fk
- Items

Events/Occasions

- Occasion name -pk
- Recipes(recipe id) -fk
- People attending

```sql
create table users (
  user_id serial primary key,
  name text,
  email text,
  password text
  );

create table recipes (
   recipe_id serial primary key,
   user_id int not null references users(user_id),
   ingredients text,
   instructions text
 );

create table posts (
   post_id serial primary key,
   user_id int not null references users(user_id),
   body text
);

create table grocery_list (
    list_id serial primary key,
    recipe_id int not null references recipes(recipe_id),
    user_id int not null references users(user_id),
    items text
);

create table occasions (
    occasion_id serial primary key,
    recipe_id int not null references recipes(recipe_id),
    user_id int not null references users(user_id)
);
```