- 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/Data:

- Username
- Password
- Email
- Likes
- Comments
- Recipes
- Ingredients
- Instructions
- Viewings
- Grocery list
- Occasions

Tables:

Users:  // will hold all of the user information.
- Username
- Useremail
- Userpassword

Recipes:
- Recipe id
- Ingredients
- Grocery list

Ingredients:
- ingredients id
- Grocery list
- Recipe

Viewings:
- Viewing id
- Person view id
- Recipe view id
- Ingredients id

Occasions:
- Occasion id
- Recipe id

Grocery list:
- Grocery id
- Ingredients id

Relationships:
- One to one
- One to many
    - Users ===> recipes      // one user will have many recipes.
    - Recipes ===> ingredients    // one recipe will have many ingredients
    - Users ===> grocery lists    // one user could have many grocery lists
    - 
- Many to many
    - Recipes ===> grocery list // many recipes can have many grocery lists
    - Users ===> recipes // many users can have many recipes


```
CREATE TABLE users (
 user_id SERIAL PRIMARY KEY,
 user_email VARCHAR(50),
 user_password VARCHAR(100)
);

CREATE TABLE recipes (
 recipe_id SERIAL PRIMARY KEY,
 ingredients_id INT NOT NULL REFERENCES ingredients(ingredients_id),
 recipe_canview BOOLEAN DEFAULT true
);

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

CREATE TABLE viewing (
 viewing_id SERIAL PRIMARY KEY,
 person_viewingrecipe INT NOT NULL REFERENCES users(user_id),
 recipe_viewed INT NOT NULL REFERENCES recipes(recipe_id)
);

CREATE TABLE grocerylist (
 grocery_id SERIAL PRIMARY KEY,
 ingredients_id INT NOT NULL REFERENCES ingredients(ingredients_id)
);
```

```sql
CREATE TABLE occasions(
  occasion_id SERIAL PRIMARY KEY,
  recipe_id INT NOT NULL REFERENCES recipes(recipe_id)
);
```