App Summary:

We want to create a recipe creating/sharing and grocery list app. You'll be planning out what tables we'll need, what information they'll store, and how the data will relate to each other.

Features

- 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:

NEEDED DATA:
- User ID, Username, Password, Email, First Name, Last Name, Recipe, Recipe Ingredients, Recipe Instructions, Recipe Status(Private or Public), Grocery List, User Occasions

Table Ideas:

Users: User ID, User First Name, User Last Name, User Password, User Email
Users Table: Will hold all of the user information that would serve as credentials and their identifier. This will be a One to Many relationship table because it will feed information to multiple tables.

User Occasions: Occasion ID, Occasion Name, User ID, Recipes
Occasions Table: Will hold a list of occasions that belong to certain users. This will be a One to Many relationship between a user and multiple occasions in this table.

Recipes: Recipe ID, Recipe Name, User ID, Status is Private, Ingredients, Instructions
Recipes Table: Will hold the name, ingredients and instructions of a recipe. It will also hold the user id to which the recipe corresponds and if it is private or public.

User Grocery List: Grocery List ID, Grocery List Name, User ID, Items
Grocery List Table: Will hold the list of groceries the user needed to buy which will also contain the user that created it.

Relationships:

- One to One

- One to Many
  - Users ⇒ Recipes
  - Users ⇒ Grocery List
  - Users ⇒ Occasions

- Many to Many
  - Occasions ⇒ Recipes