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

- Users name
  Email
  Password
- Recipes
  Create recipes id
  Ingredients name
  Instruction name
- Public /private
- Images
- Comments
- Reviews
- Rating
- Faqs
- like/dislikes
- Lists id

Email Password Username User id Recipe id Recipe Ingredients Instructions public/private Grocery list Occasions Occasion recipes Occasions id

Tables

Users: this table will hold information about the user email and password offered
Recipes: this table will hold information about the images, recipes, instruction,ingredients,public/private, each row will be individual
Ingredients: list of grocery
Occasions: christmas, birthday etc.

Grocery list: ingredients
Comments: reviews,rating,faqs,
chef:

Relationship

One-to-one

- Chef:chef is a user,but every user cannot be chef

One-to-many

- Recipes to comments: because each recipe can have multiple comments, but a comment is only for one specific recipe".

- Users to comments: each user can have multiple comments
- Users to grocery list: one user can order different groceries list

Many-to-many

Grocery list to ingredients: many ingredients can be added to grocery list
Users to recipes: many users can see different recipes

Column's

Users: email, password are unique.they can be stored in VARCHAR
Recipes: **recipes_id serial ,**
Image_id serial,
Ingredients_id serial,
Instruction,private varchar,
Comment_id serial

```
 CREATE TABLE users(
   users_id SERIAL PRIMARY KEY,
   email_id VARCHAR(40),
   password VARCHAR(30)
   );

   INSERT INTO users (users_id, email_id, password)
     VALUES (1, 'ABC@gmail.com', '4321'),
          (2, 'DEF@gmail.com', '1234');

SELECT * FROM users;




 CREATE TABLE recipes(
   recipes_id SERIAL PRIMARY KEY,
          image_id INTEGER,
          ingredients_id INTEGER,
     instruction VARCHAR(200),
     comment_id INTEGER,
     private BOOLEAN
   );
   INSERT INTO recipes (recipes_id, image_id, ingredients_id, instruction, comment_id,
private)
     VALUES (1, 1, 1, 'Tasty recipe', 2, true);
```