

Brainstorming

- 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

STEP 1:

We'll need to keep track of recipes, ingredients, and the steps to create said recipes. We will also need to keep track of user information so that they can add recipes to their account and learn how to make different recipes. You'd also need a way to save data that you decide you want to keep to your account.

STEP 2: TABLE IDEAS

- User table: containing username
- Auth: password and email
- Recipes table: containing recipes that you have posted and recipes that have been posted by others. Ways to view other recipes
- Private recipes table: recipes that have been saved under your account. And can only be seen by you
- Grocery list table: a table that contains the different ingredients and an option to add them to your grocery list.
- Group table: a table containing different ethnic groups or certain holidays

STEP 3:

One-to-One:

- User to Auth
- User to private recipes
- User to grocery list

One-to-Many:

- User to special days
- User to recipes
-

Many-to-Many:

- User to group

COLUMNS

User to group: Link the user to the group so that the user can see the what group they are in and so that they can also see the different recipes that are linked to the specific group that they are a part of.

Brainstorming

User to post: so that the user can post different recipes that will then be sent to the recipes table.

User to Private recipes: so that the user can post or save individual recipes into their own private section.

User to Recipe: so that the user can see the recipes that have been posted into the app

```
CREATE TABLE group(  
    Group_id SERIAL PRIMARY KEY,  
    Admin VARCHAR(255),  
    Recipe_id INTEGER  
    Recipe_name VARCHAR(255)  
);
```

```
CREATE TABLE user data(  
    Username VARCHAR(100)  
    Email VARCHAR(100)  
    Password VARCHAR(100)  
);
```

```
CREATE TABLE grocery_list(  
    Username INTEGER(50)  
    Recipe_ingredients VARCHAR(255)  
);
```

```
CREATE TABLE recipes(  
    Recipe_name VARCHAR(255)  
    Recipe_ingredients VARCHAR(255)  
);
```

```
CREATE TABLE private_recipes(  
    Username VARCHAR(255)  
    Recipe_id integer  
);
```

```
CREATE TABLE post(  
    User_id VARCHAR(255)  
    Recipe_name VARCHAR(255)  
);
```