

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 -

Users:

- 1) User_id
- 2) user_name
- 3) User_email
- 4) User_password

Recipes:

- 1) Recipe_id
- 2) recipe_author_id
- 3) Ingredient_id
- 4) Instructions
- 5) Views
- 6) recipe_privacy_status

Ingredients:

- 1) Ingredients_id
- 2) ingredient_name

Occasions:

- 1) Occasion_id
- 2) occasion_user_id
- 3) Occasion_name
- 4) recipe_id

Grocery List:

- 1) Grocery_id
- 2) grocery_user_id
- 3) Grocery_items

Table Ideas:

- 1) User
- 2) Recipes
- 3) Occasions
- 4) Grocery list
- 5) Ingredients

Relationships:

- 1) One-to-one
- 2) One-to-many
 - a) Recipes- one persons recipe going to many
 - b) Users
 - c) Occasions
- 3) Many-to-many
 - a) Ingredients-many ing many places

```
CREATE TABLE users(  
    user_id SERIAL PRIMARY KEY,  
    user_name VARCHAR(40),  
    user_email VARCHAR(50),  
    user_password VARCHAR(50)  
);  
  
    occasion_user_id INT NOT NULL  
REFERENCES users(user_id),  
  
    occasion_name VARCHAR(50),  
  
    occasion_recipe_id INT REFERENCES  
recipes(recipe_id)  
);
```

```
CREATE TABLE ingredients(  
    ingredient_id SERIAL PRIMARY KEY,  
    ingredient_name VARCHAR(50)  
);
```

```
CREATE TABLE recipes(  
    recipe_id SERIAL PRIMARY KEY,  
    recipe_author_id INT NOT NULL  
REFERENCES users(user_id),  
    recipe_ingredient_id INT NOT NULL  
REFERENCES ingredients(ingredient_id),  
    recipe_instructions TEXT,  
    recipe_views INT,  
    recipe_privacy_status BOOLEAN  
);
```

```
CREATE TABLE occasions(  
    occasion_id SERIAL PRIMARY KEY,
```