

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

Email

Password

Ingredients

Instructions

Recipes

Public Recipes

Private Recipes

Grocery Lists

Occasions

Recipes_viewed

Recipe_views

Table Ideas:

Users

User_id

Email

Password

Recipes_viewed

Ingredients

individual ingredient".

Ingredient_id

Recipes

recipe".

Recipe_id

Ingredient_id

Instructions

Recipe_views

Public_recipes

Private_recipes

Public Recipes

individual public recipe".

Recipe_id

Private Recipes

private recipe".

Recipe_id

Grocery List

individual grocery list".

Ingredient_id

Occasions

occasion".

Recipe_id

Relationships:**One-to-One:**

-User to email

-User to password

-User to Grocery List

One-to-Many:

-Ingredients to Grocery list

-User to Public recipes

-User to Private recipes

-User to Recipe Views

Many-to-Many:

-Ingredients to Recipes

-Recipes to Occasions

```
CREATE TABLE ingredients (  
  Ingredient_id SERIAL PRIMARY KEY  
);
```

```
CREATE TABLE grocery_list (  
  Grocery_list_id SERIAL PRIMARY KEY,  
  Ingredient_id INTEGER REFERENCES ingredients(Ingredient_id)  
);
```

```
CREATE TABLE occasions (  
  Occasions_id SERIAL PRIMARY KEY  
);
```

```
CREATE TABLE recipes (  
  Recipe_id SERIAL PRIMARY KEY,  
  Public_recipes VARCHAR(255),  
  Private_recipes VARCHAR(255),  
  Ingredient_id INTEGER REFERENCES ingredients(Ingredient_id),  
  Occassions_id INTEGER REFERENCES occasions(Occasions_id)  
);
```

```
CREATE TABLE users (  
  User_id SERIAL PRIMARY KEY,  
  email VARCHAR(255),  
  password VARCHAR(255),  
  Recipe_id INTEGER,  
  Grocery_list_id INTEGER  
);
```