

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

- User email
- Username
- User first name
- User last name

Posts

- Author of Post
- Post content ==> ingredients list
- Post picspost_picture_url
- Time of post
- Assign to group or occasion
 - boolean
- Private or public
 - boolean

Relationships

- One to one
- One to many
- Many to many

Groups/Occasions

- Recipe post from recipe postsUser

Groups

- Group name
- Group members?
- Group post

Grocery List

- Ingredients list from recipe post

```
CREATE TABLE users(  
  user_id SERIAL PRIMARY KEY,  
  user_email VARCHAR(50) NOT NULL,  
  username VARCHAR(50) NOT NULL,  
  user_password VARCHAR(500) NOT NULL,  
  user_firstname VARCHAR(50) NOT NULL,  
  user_lastname VARCHAR(50) NOT NULL  
);
```

```
CREATE TABLE ingredient(  
  ingredient_id SERIAL PRIMARY KEY,  
  list_of VARCHAR(1500)  
);
```

```
CREATE TABLE posts(  
  post_id SERIAL PRIMARY KEY,  
  author_id INT NOT NULL REFERENCES users(user_id),  
  post_content VARCHAR(1000),  
  post_pic_URL VARCHAR(5000),  
  list_of_ingredients NOT NULL REFERENCES  
  ingredient(list_of),  
  time_of_post TIMESTAMP,  
  assign_to_group BOOLEAN DEFAULT false,  
  private_post BOOLEAN DEFAULT false  
);
```

```
CREATE TABLE groups_occasions(  
  occasions_id SERIAL PRIMARY KEY,  
  post_id INT NOT NULL REFERENCES posts(post_id)
```

```
);
```

```
CREATE TABLE grecery_list(  
list_id SERIAL PRIMARY KEY,  
list_of_ingredients NOT NULL REFERENCES ingredient(list_of)
```

```
1. );
```