

RECIP-EAZE

Recipe creating sharing and grocery list app

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

- Signing in to app
 - Email
 - username
 - Password
- Creating recipes
 - mark as public or private
 - log recipe name , ingredients (text), instructions (text) add all
 - full recipe ID (name ingredients and instructions)
 - post recipes
 - user ID
- Recipe search / forum
 - recipe lists
 - recipe IDs
 - User IDs/creator ID
 - saving recipes
 - adding recipes to saved list
 - add ingredients to grocery list
- Occasions/Events
 - save recipes to events or occasions
 - event ID
 - recipe IDs
- Grocery list
 - Recipe ingredients (text)

TABLE IDEAS

- Users
 - This table will contain user information, including allergies and diet restrictions, food preferences.
- Authorization

-This table will include login information about user including email, username and password

- POST(Recipe Post)
 - This table will include information about the recipes being posted including: recipe name, ingredients, instructions, public or private, image, post date
- Grocery(List)
 - this table includes a list of ingredients that are added to grocery list by user
- Occasion
 - this table will include information regarding special occasions including the occasion name, size of group/party, event date, event time, list of recipes
- Library (Saved Recipes)
 - This table stores and displays the saved recipes by each user.
- Browse
 - hold recipes IDs, images, user Id-s, comments,
- Comment
 - contains user ID, date, time, text and body of comment, user name

RELATIONSHIP

One-To-One

- User to AuthOkay (one user has one auth set of data)
- User to Grocery List (option for One-To-Many i.e 6/24/2021 Grocery list etc. separated by name) (one user has one grocery list)

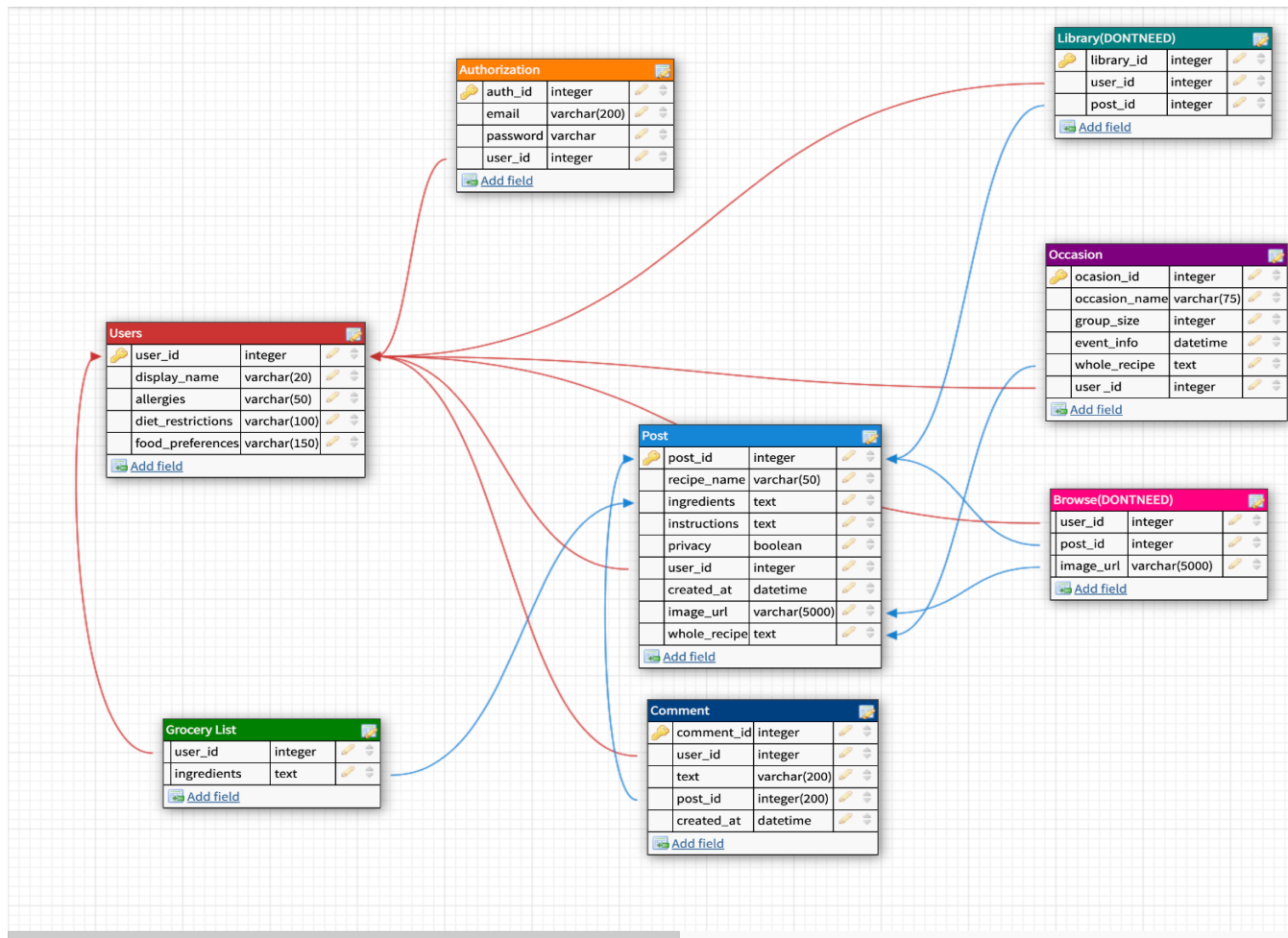
One-To-Many

- User to Comment (one user can make many comments)
- User to Recipe Post (one user can make many recipe posts)
- User to Occasion (one user can make many occasions)

Many-To-Many

- Users to Saved Recipes (many users can save multiple recipes while many recipes can be saved by many users)

DBDESIGNER TABLES



COLUMNS

Data type in img (explanation after column header)

Users

- user_id (unique number for verification)
- display_name(limited characters for space)
- allergies(limited characters for user information)
- diet_restrictions(limited characters for user information)
- food_preferences(limited character count for user information)

WHY- storing user information to allow for better user experience and necessary profile details

Authorization

- auth_id(unique number)
- Email (unique for security purposes)
- password(varchar for allotment of many characters)
- user_id(unique number for verification)

WHY- storing data to provide for secure login and save user credentials

Post

Post_id (special number for unique post)
recipe_name(character limit for title of recipe)
Ingredients (text for longer allotment of text)
Instructions (text for longer allotment of text)
Privacy (true or false for private or public)
User_id (unique number for verification)
Created_at (to show specific date and time)
Image_url (long character count for varied url length)
Whole_recipe

WHY- storing all necessary data to connect recipes to additional features and included items in a “post” for a recipe to allow for convenience of users

Comment

User_id (number)
Created_at (to show specific date and time)
Comment_id (limited text)
Text(body of text)
Post_id (unique number for unique comment)

WHY- allowing users to provide feedback by storing and providing necessary information and details of users and parts of a comment that provide quality user experience

Grocery List

User_id(number)
Ingredients (text for longer allotment of text)

WHY - being able to keep track of all ingredients that users need to be able to purchase.

Occasion

Occasion_id(number)
Occasion_name(limited chars for space)
Group_size(number count)
Event_info(time of event)
Whole_recipe(text for more content)
User_id(number)

WHY - storing data to be able to log events and keep track of what recipes are needed.

POSTGRES TABLES

```
create table app_user(  
  user_id serial primary key,  
  display_name VARCHAR(20),  
  allergies VARCHAR(50),  
  diet_restrictions VARCHAR(100),  
  food_preferences VARCHAR(100))  
;
```

```
create table auth(  
  auth_id serial primary key,  
  email VARCHAR(200),  
  password VARCHAR(250),  
  user_id Integer)  
;  
create table post(  
  Post_id serial primary key,  
    recipe_name VARCHAR(50),  
    Ingredients TEXT,  
    Instructions TEXT,  
    Privacy boolean,  
    User_id integer,  
    Created_at date,  
    Image_url VARCHAR(5000),  
    Whole_recipe TEXT)  
;
```

```
create table comment(  
  Comment_id serial primary key,  
  User_id int,  
    Created_at date,  
    text_body text,  
    Post_id int  
);
```

```
create table grocery_list(  
  ingredients text,  
    user_id int  
);
```

```
create table occasion (  
  occasion_id serial primary key,  
    occasion_name varchar(75),  
    group_size int,  
    event_info date,  
    whole_recipe text,  
    user_id int  
);
```

INTERMEDIATE

```
insert into app_user  
values(1,'Baking Becky','vegetarian','no dairy','soy')  
;
```

```
insert into app_user  
values(2,'Cooking Christy','vegan','no gluten','tree nuts')  
;
```

```
insert into app_user  
values(3,'Marth Stewart','prison food','5 dollar and under meals','paying taxes')  
;
```

```
insert into post  
values(1, 'Jeddys orange chicken', 'chicken, orange sauce', 'warm up leftovers', true, 1,  
'2019-1-19',  
'https://www.modernhoney.com/wp-content/uploads/2018/01/Chinese-Orange-Chicken-2-1024x72  
9.jpg', 'yum');
```