Brainstorming

*– create a recipe creating/sharing and grocery list app –*

Things to keep track of:

* users can sign into the app with their email and password
  + *user\_id*
  + *Email*
  + *Password\_hash*
  + *Authorization*
  + *First\_name*
  + *Last\_name*
  + *DOB*
  + *city*
* users can create recipes with ingredients and instructions
  + *Recipes*
  + *Ingredient\_name*
  + *Quantity\_of\_ingredient*
  + *Instructions*
  + *recipe\_id*
* recipes can be marked as public or private
  + *Public*
  + *Private*
  + *recipe\_id(could be just one of the columns)*
* users can view other people’s recipes
  + *Followings*
  + *follower\_id*
* ingredients from recipes can be added to user’s grocery lists
  + *Grocery list items*
  + *ingredients*
* users can create their own occasions and assign recipes to occasions
  + o*ccasion\_id*
  + *Occassion\_name*
  + *recipes*

Table Ideas

* Users: will hold the user’s information
* Auth: will hold the email and password
* Recipes: will hold the recipe id, name of the recipes, whether it’s public or private, ingredients, instructions
* Ingredients: holds the ingredient\_id, list of ingredients, and quantity
* Grocery list: new items, and ingredient\_id
* Occasions: It’ll hold the name of the occasion, as well as the recipe\_id for the assigned recipes to it.
* Posts: post\_id, user\_id,pic\_url,body

Relationships

One-to-one: users & auth

One-to-many: users & recipes, users & occasions, user & posts

Many-to-many: recipes & users, ingredients & recipes

Columns

grocery\_list

1. Items - items put in by the user, varchar() to limit the amount per entry
2. Ingredients - reference to the ingredient\_id in the ingredients table, varchar() to limit the amount per entry
3. User\_id - reference to the user who’s making the list.

Ingredients

1. Ingredient\_id - set as an integer, so user can edit, delete, or reference the ingredient
2. Ingredient\_name - name of the ingredient, varchar() to limit the text amount
3. Ingredient\_amt - list the amount of ingredients needed, integer since it’ll be a number
4. User\_id - reference to the user who’s making the list

Posts

1. Post\_id - making each post unique with it’s id. Integer since it’ll be a number
2. User\_id - reference to the user\_id making it
3. Pic\_url - enter url for the image, so they can add an image to the post for the recipe. Text since it’s going to be a url.
4. Recipe\_id - referencing the recipe\_id so it can be added to the text

Occasions

1. Occasion\_id - able to find the occasion by id. Integer since it’s a number.
2. Recipe - referencing recipe-id, taking the information from the recipe table assigning it to the occasion. Integer since
3. User\_id - so the occasion is specific to the user. Integer since it’s a number.

Auth

1. Auth\_id = specific id for each user. Integer since it’s a number
2. User\_id - referencing the user\_id in this table.
3. Email - email needed to login. varchar() to limit the characters.
4. Password\_hash - password needed to login. varchar() to limit the characters.

Recipes

1. Recipe\_id - unique id for each recipe. Able to use this for other tables to make a reference to this recipe. Integer since it’s a number.
2. User\_id - specific user created this recipe.
3. Ingredients - linked ingredients to this table.
4. isPrivate - so user can make this private or not. Boolean, private or public(true or false)
5. Instructions - added to recipe, so the recipe has instructions and not just ingredients. Text since it’s going to be text.

Following

1. Follow\_id - id to manage follows from each other
2. Following\_id - references the user id for the person doing the following. Integer since it’ll be a number.
3. Follower\_id - reference the user id for the person that’s following you

Users

1. First\_name - first name..varchar() to limit text
2. Last\_name - last name.. varchar() to limit text
3. City - optional in case they want to show what city they’re at. varchar() to limit text
4. Timestamp - when the account was created.

Creating Tables

create table users (

user\_id serial primary key not null,

first\_name varchar(225) not null,

last\_name varchar(225) not null,

city varchar(225),

time\_stamp timestamp

);

create table ingredients(

ingredient\_id serial primary key,

user\_id integer not null references users(user\_id),

ingredient\_name varchar(225) not null,

ingredient\_amt varchar(225) not null);

create table auth (

auth\_id serial primary key,

user\_id integer not null references users(user\_id),

email varchar(225) not null,

password\_hash varchar(1000) not null);

create table recipes (

recipe\_id serial primary key,

user\_id integer not null references users(user\_id),

ingredients integer not null references ingredients(ingredient\_id),

isPrivate boolean not null,

instructions text);

create table occasions (

occasion\_id serial primary key,

recipe integer not null references recipes(recipe\_id),

user\_id integer not null references users(user\_id)

);

create table posts (

post\_id serial primary key,

user\_id integer not null references users(user\_id),

pic\_url text,

recipe\_id integer not null references recipes(recipe\_id)

);

create table following (

follow\_id serial primary key,

following\_id integer not null references users(user\_id),

follower\_id integer not null references users(user\_id)

);