RECIPE SHARING/ GROCERY LIST - FEATURES - user sign in with email and password, create recipes with instructions, public or private recipies, view others recipes, add ingrdients to grocery list, create occasions and assign recipes to occasions.

Brainstorming - users, passwords, user recipes, private/public, grocery list, ingredients, user saved recipes to occasion, instructions for recipes, created occasions

Table ideas - users-user id, password,

recipes- ingrdients, recipe name, directions, user id

grocery lists- recipe ingrdients, user id

saved recipes- user id, recipe name, occasions

occasions - user id, occasion name

Relationships -

one to one- grocery list- one user creates their own and only they use it

user thatowns the list, ingredients pullled to the list, key

occasions- one user creates the table and accesses it alone

user that owns the occasion, and name of occasion,key

instructions- referance from one recipe and only that recipe

recipe_id, instructions, key

one to many- users- one user interacts with many tables

username, password, key

occasioned recipes - one user creates and many can save it

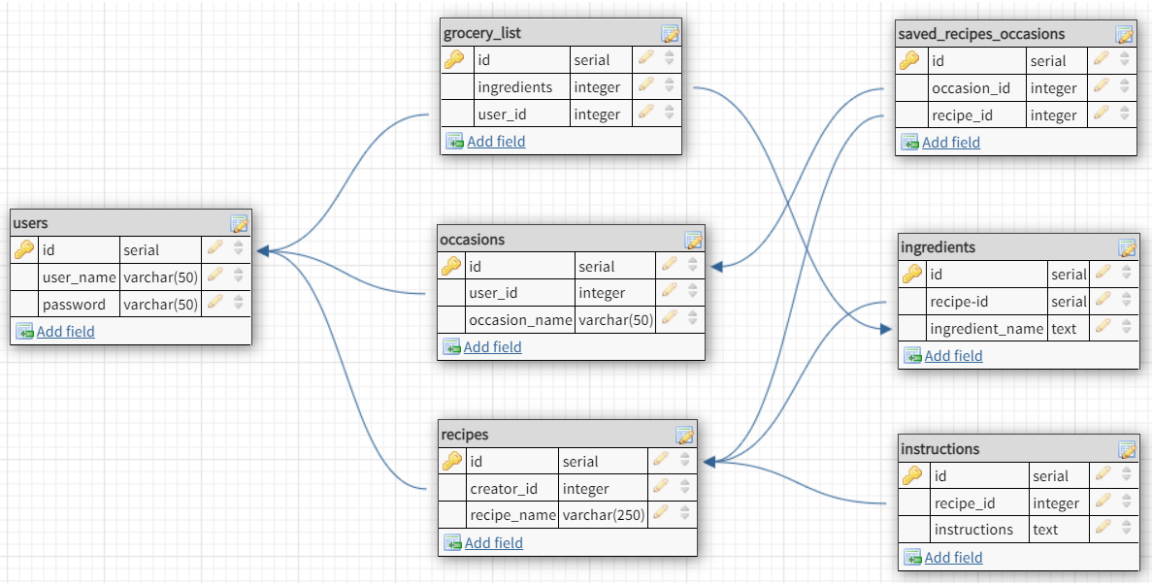
associated occasion, recipe, key

recipes - one user creates many recipes, many recipes can be saved

creator, recipe name, key

many to many- ingredients - can be used for many recipes and namy people can add it to the grocery list

recipe_id, ingredient_name, key



Creating Tables is SQL-

CREATE TABLE users (

user_id SERIAL PRIMARY KEY,

username VARCHAR(50),

password VARCHAR(50),

UNIQUE (username)

)

CREATE TABLE occasions (

occasion SERIAL PRIMARY KEY,

user_id INTEGER REFERENCES users(user_id),

occasion_name VARCHAR(50)

)

CREATE TABLE recipes (

recipe_id SERIAL PRIMARY KEY,

creator_id INTEGER REFERENCES users(user_id),

recipe_name VARCHAR(250)

)

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CREATE TABLE saved_recipe_occasion (
saved_id SERIAL PRIMARY KEY,
user_id INTEGER REFERENCES users(user_id),
recipe_id INTEGER REFERENCES recipes(recipe_id)
)
CREATE TABLE instructions (
instructions_id SERIAL PRIMARY KEY,
instructions TEXT,
recipe_id INTEGER REFERENCES recipes(recipe_id)
)
CREATE TABLE ingredients (
ingredients_id SERIAL PRIMARY KEY,
ingredient_name VARCHAR(100),
recipe_id INTEGER REFERENCES recipes(recipe_id),
UNIQUE (ingredient_name)
)
CREATE TABLE grocery_list (
list_id SERIAL PRIMARY KEY,
ingredient_name TEXT REFERENCES ingredients(ingredient_name),
user_id INTEGER REFERENCES users(user_id)
)
```