BrainStorming

    Table Ideas
- Users- contains all info about an individual user.
    - Email
    - Password
    - Name
    - User ID
    - Username
    - Cooking Type

  - Contact
    - user ID
    - Address
    - city

- Recipes- Holds information contained in the recipes. Each row will be a different recipe.
    - Recipe ID
    - Ingredients
    - Instructions
    - Public or private
    - Sharing link
    - Rating
    - Category
- Grocery List- list that can be created by users to store shopping ingredients for recipes
    - List ID
    - Price
    - availability
    - Ingredients

- Occasions-Contains individual occasions and the recipes used for the occasion.
    - Occasion ID
    - Recipe id
    - Date
- Rating- what other users use to rate how good that recipe is from another user
    - Rating ID
    - Recipe ID
- Ingredients- What ingredient and where they fall in the food
    - Ingredient ID
    - Category

Relationships
One-to-one:
User - contact

One-to-many:
Recipe- rating - each recipe can have multiple ratings, but one rating only goes to one recipe
User- grocery list- a grocery list only goes to one user, but a user can have several grocery lists

Many-to-many:
Ingredient- Recipes- many ingredients will be in many recipes, vice versa
Users- Recipes many users will have many recipes
Users- occasions many users can celebrate many occasions
Occasions- recipes - many occasions have many recipes, one recipe can be uses for multiple occasions
list- recipes- many lists can have multiple recipes and vice versa
Grocery - ingredients- many lists will have many ingre

User Stories
- Users sign up for garfield service
- Users communicate with other users about recipes
- Users create Own recipes
- Users add ingredients to recipes
- Users create occasions then stick different recipes and
- Grocery lists
  - Local groceries
- Archive recipes
- Finding recipes

CREATE TABLE occasions (

 occasion_id SERIAL PRIMARY KEY,

 date DATE

 );

 CREATE TABLE users (

 user_id SERIAL PRIMARY KEY,

 email VARCHAR(255),

 password VARCHAR(255),

     name VARCHAR(255),

     username VARCHAR(255),

 cooking_type VARCHAR(255),

```sql
);

CREATE TABLE recipes (
recipe_id SERIAL PRIMARY KEY,
visibility BOOLEAN,
link TEXT,
        category VARCHAR(255),
);

CREATE TABLE ingredients (
ingredients_id SERIAL PRIMARY KEY,
visibility BOOLEAN,
link TEXT,
        category VARCHAR(255),
);

CREATE TABLE grocery_list (
list_id SERIAL PRIMARY KEY,
price INT,
availability BOOLEAN,
ingredient_id INT NOT NULL REFERENCES ingredients(ingredient_id) ,
        user_id INT NOT NULL REFERENCES users(user_id),
);

CREATE TABLE contact(
contact_id SERIAL PRIMARY KEY,
user_id INT NOT NULL REFERENCES users(user_id),
address TEXT,
city VARCHARS(30)
```

```sql
);

CREATE TABLE occasions_recipes(

occasions_recipes_id SERIAL PRIMARY KEY,

occasion_id INT NOT NULL REFERENCES occasions(occasion_id),

recipe_id INT NOT NULL REFERENCES recipes(recipe_id),

);

CREATE TABLE recipe_ingredients(

recipe_ingredients_id SERIAL PRIMARY KEY,

ingredients_id INT NOT NULL REFERENCES ingredients(ingredients_id),

recipe_id INT NOT NULL REFERENCES recipes(recipe_id),

);

CREATE TABLE users_occasions(

users_occasions_id SERIAL PRIMARY KEY,

occasion_id INT NOT NULL REFERENCES occasions(occasion_id),

user_id INT NOT NULL REFERENCES users(user_id),

);

CREATE TABLE users_recipes(

users_recipes_id SERIAL PRIMARY KEY,

user_id INT NOT NULL REFERENCES users(user_id),

recipe_id INT NOT NULL REFERENCES recipes(recipe_id),

);

CREATE TABLE recipes_groceries(

recipes_groceries_id SERIAL PRIMARY KEY,

list_id INT NOT NULL REFERENCES grocery_list(list_id),
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```sql
recipe_id INT NOT NULL REFERENCES recipe(recipe_id),
);


CREATE TABLE rating(
rating_id SERIAL PRIMARY KEY,
user_id INT NOT NULL REFERENCES users(user_id),
recipe_id INT NOT NULL REFERENCES recipe(recipe_id),
);
```