Brainstorm

Users
User_id
Name
Email
Password
User_bio
Timestamp
Recipe_counter
Recipe_status

Recipe
Recipe_id
Ingredients
Status
Instruction
Chef_id

Friends
Friend_id
Follow_id
Follower_id
Followed_id
Recipe_id

Grocery
Grocery_id
Receipe_id
Ingredient_id

Tables

User Table
User_id
User_name
User_email
User_password
User_bio
User_timestamp
Recipe_count
Recipe_status
>>We can have access to all user info within this table.

Recipes Table
Recipe_id
Recipe_name
Recipe_picture
Recipe_ingredients
Recipe_instructions
Chef_id foreign key
>>We'll have access to each recipe and which user added the recipe in.

Friends Table
Follow_id
Follower_id foreign key
Following_id foreign key
>>This will be an access point to all the followers for each user.

Ingredients Table
Ingredient_id
Ingredient_name
Ingredient_picture
>>This will be the access point for all the ingredients for any recipes.

Create List Table
List_id
List_recipe_id foreign key
List_ingredient_id foreign key
>>This will include any users' recipes and their respective ingredients.

Occasions Table
Occasion_id
Occasion_recipe_id foreign key
>>This will help you have access for a specific recipe, for a specific occasion.

Relationships

ONE TO ONE

ONE TO MANY
User => recipes
User => lists
User => occasions
Recipe => Ingredients

MANY TO MANY
Follower => following
Ingredients => recipes
Occasions => recipes
Ingredients => recipes

Create Tables

```
CREATE TABLE users (
  user_id SERIAL PRIMARY KEY,
  user_name VARCHAR(50) NOT NULL,
  user_email VARCHAR(100) NOT NULL,
  user_password VARCHAR(500) NOT NULL,
  user_bio VARCHAR(1000),
  account_created TIMESTAMP NOT NULL,
  user_recipe_count INT,
  user_recipe_status BOOLEAN
);
CREATE TABLE recipes (
  recipe_id SERIAL PRIMARY KEY,
  recipe_name VARCHAR(100) NOT NULL,
  recipe_img TEXT,
  recipe_instructions VARCHAR(2000) NOT NULL,
  recipe_ingredients_id INT NOT NULL REFERENCES ingredients(ingredient_id),
  chef_id INT NOT NULL REFERENCES users(user_id)
);
CREATE TABLE friends (
  follow_id SERIAL PRIMARY KEY,
  follower_id INT NOT NULL REFERENCES users(user_id),
  following_id INT NOT NULL REFERENCES users(user_id)
);
CREATE TABLE ingredients (
  ingredient_id SERIAL PRIMARY KEY,
  ingredient_name VARCHAR(50) NOT NULL,
  ingredient_picture TEXT NOT NULL
);
CREATE TABLE create_lists (
  list_id SERIAL PRIMARY KEY,
  list_recipe_id INT NOT NULL REFERENCES recipes(recipe_id),
  list_ingredient_id INT NOT NULL REFERENCES ingredients(ingredient_id)
);
CREATE TABLE occasions (
  occasion_id SERIAL PRIMARY KEY,
  occasion_owner_id INT NOT NULL REFERENCES users(user_id),
  occasion_recipe_id INT NOT NULL REFERENCES recipes(recipe_id)
);
```