DATA MODELING

Recipe creating/sharing & 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 things to keep track of:

- Different users
- Different recipes
- Grocery lists
- Comments on recipes
- Following other users
- Different occasions (holidays, birthdays, etc.)

TABLES

- Users
    - User id
    - Email
    - Password

- Recipe
    - Recipe id
    - User id (from users)
    - Name
    - Imgurl
    - Ingredients
    - Cooking steps
    - Public/private

- Grocery lists
    - Grocery list id
    - User id (from users)
    - Ingredients (recipe)
    - Product
    - Product qty

- Occasions (one to many)
    - Occasion id
    - User id (user)
    - Recipe list (recipe)

- Followers (one to many)
    - Follower id
    - User id being followed(from user id)
    - User id following(from user id)
    - *many to many table
    - *they can post and comment on recipes

TABLE CREATION

Users Table

```
CREATE TABLE users (
  id SERIAL PRIMARY KEY,
  user_email VARCHAR(255),
  password VARCHAR(200),
  user_name VARCHAR(25000)
);
```

Recipes Table

```
CREATE TABLE recipes (
  id SERIAL PRIMARY KEY,
  recipe_name VARCHAR(255),
  imgurl VARCHAR(1000),
  ingredients VARCHAR(1000),
  cooking_steps VARCHAR(10000),
  public BOOLEAN
);
```

Grocery List Table

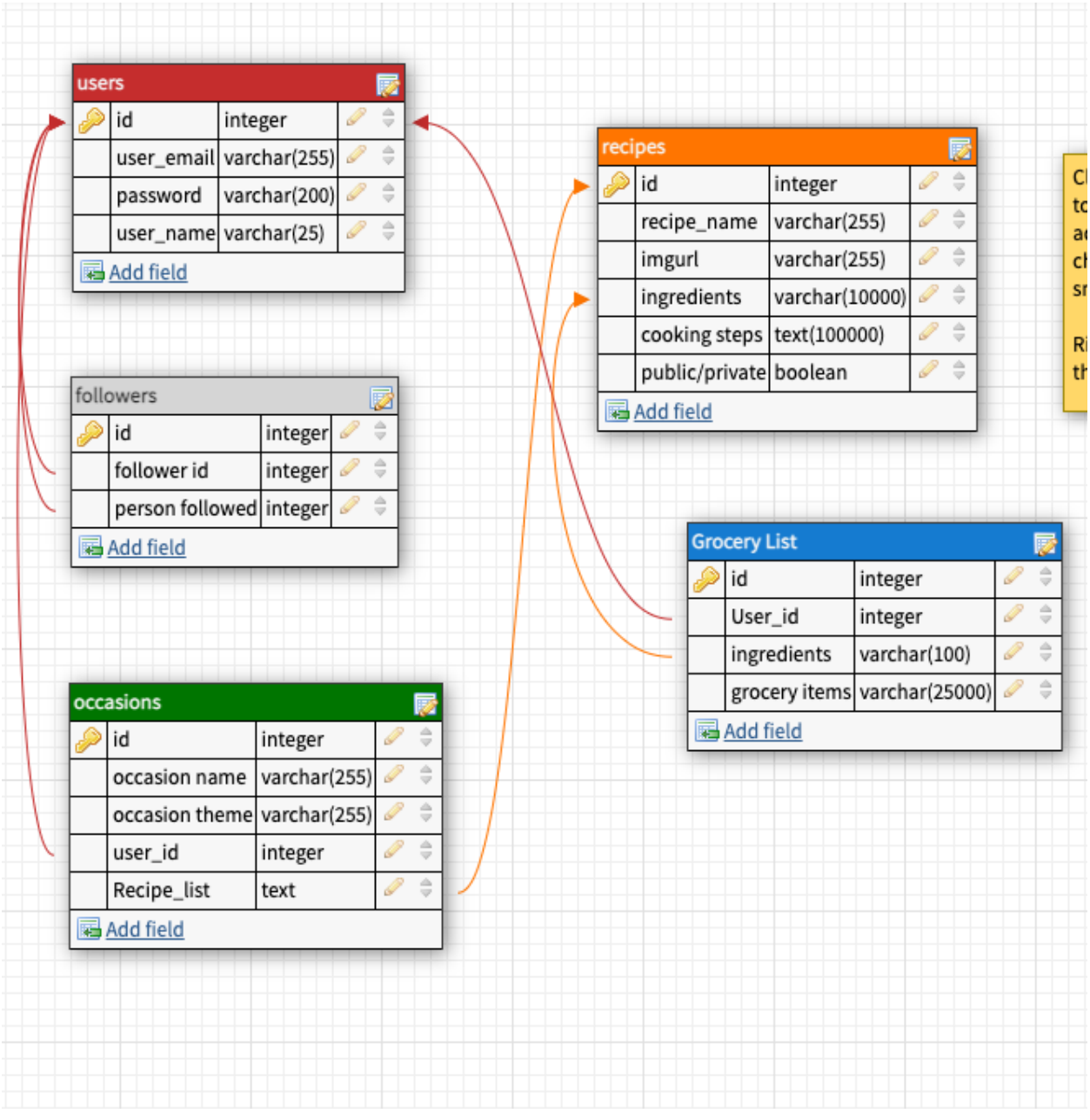
```
CREATE TABLE grocery_list (
Id SERIAL PRIMARY KEY,
User_id INTEGER NOT NULL REFERENCES users(id),
Ingredients VARCHAR(100) NOT NULL REFERENCES recipes(ingredients),
Grocery_items VARCHAR(100)
);
```

Occasions Table

```
CREATE TABLE occasions (
  id SERIAL PRIMARY KEY,
  occasion_name VARCHAR(255),
  occasion_theme VARCHAR(255),
  user_id INTEGER NOT NULL REFERENCES users(id),
  recipe_list INTEGER NOT NULL REFERENCES recipes(id)
);
```

Followers Table

```
CREATE TABLE followers (
id SERIAL PRIMARY KEY,
follower_id INTEGER NOT NULL REFERENCES users (id),
person_followed INTEGER NOT NULL REFERENCES users (id)
);
```



INSERTING DATA

Users table

```
INSERT INTO users(user_name,password, user_email)
VALUES ('mckenjus','Egharules1!','mckenjus@gmail.com')
```

Recipes Table

```
INSERT INTO recipes(recipe_name, imgurl, ingredients, cooking_steps, public)
VALUES('Ooey-Gooey Butter Cake', NULL, 'butter, cake', 'add butter/cake mix to pan, bake it',
True)
```

Grocery List Table

```
INSERT INTO grocery_list(user_id, ingredients, grocery_items)
VALUES(3, 'Butter, cake', 'apples')
```

Occasions Table

```
INSERT INTO occasions(occasion_name, occasion_theme, user_id, recipe_list)
VALUES('eghas birthday', 'island themed', 1, 1)
```

Followers Table

```
INSERT INTO followers(follower_id, person_followed)
VALUES(3,1)
```