

# Recipe App

## STEP 1: BRAINSTORMING

### Users

- sign in with email and password
- Create recipes with ingredients and instructions
- View other users' recipes

### Recipes

- Ingredients
- Recipe names
- instructions
- Public or private
- Saved to grocery list

## STEP 2: TABLE IDEAS

### Users

- This table will contain all users and their information.

### Cart

- Who created the cart
- Ingredients in the cart
- When it was created

### Recipes

- This table will have all the recipes.
- Ingredients
- Names
- Public or private
- Saved to a grocery list

### Occasions

- Who created it
- When they created it
- Recipes

## STEP 3: RELATIONSHIPS

### One to One

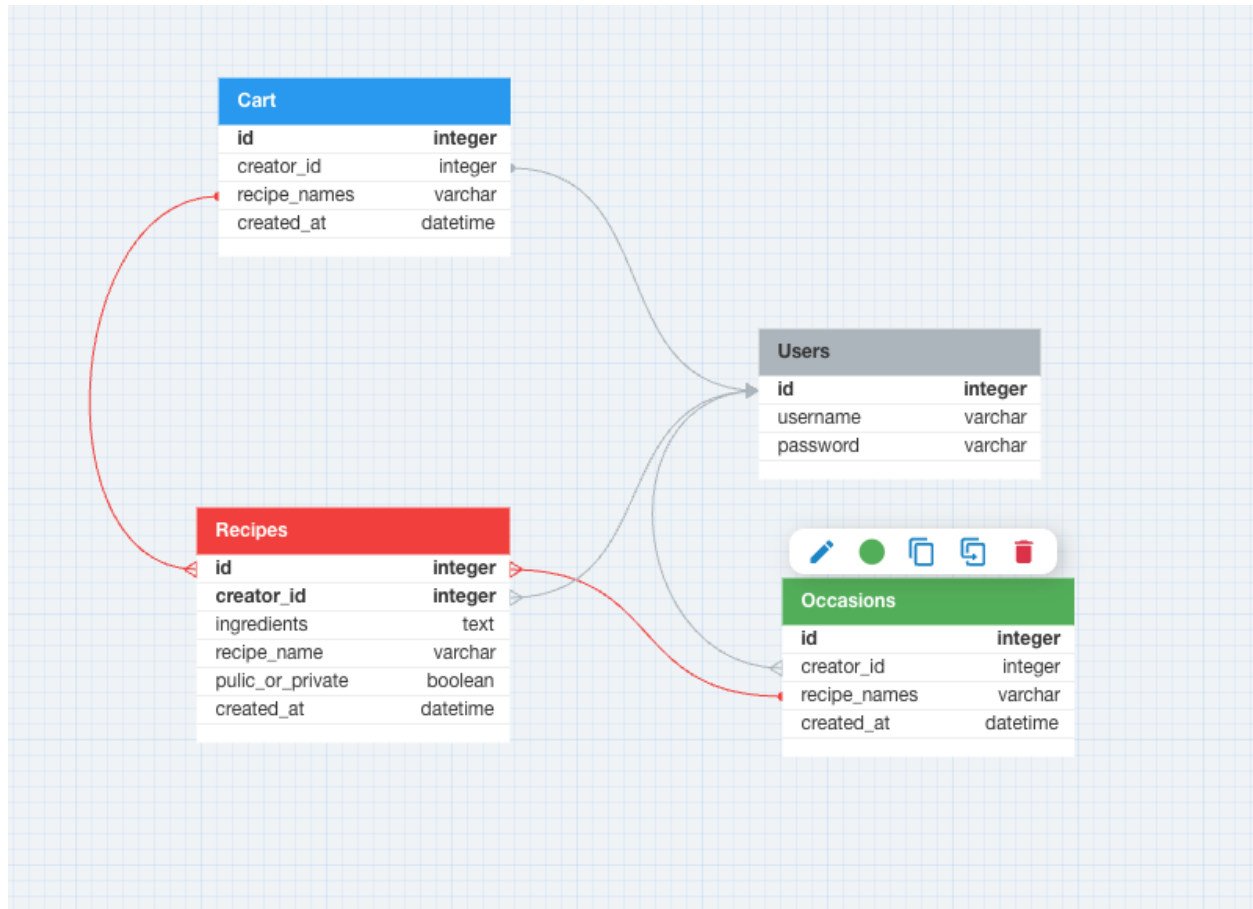
- One cart for one user. Didn't make sense to have multiple carts
- 

### Many to Many

-

## One to Many

- Occasions to recipes. One occasion can have multiple recipes



```
CREATE TABLE users(  
    id SERIAL PRIMARY KEY,  
    username VARCHAR(20),  
    password VARCHAR(500)  
);  
CREATE TABLE recipes(  
    id SERIAL PRIMARY KEY,  
    creator_id INTEGER NOT NULL REFERENCES users(id),  
    ingredients TEXT,  
    recipe_name VARCHAR(20),  
    public_or_private BOOLEAN,  
    created_at TIMESTAMP  
);  
CREATE TABLE cart(  
    id SERIAL PRIMARY KEY,  
    creator_id INTEGER NOT NULL REFERENCES users(id),
```

```

recipe_id INTEGER NOT NULL REFERENCES recipes(id),
created_at TIMESTAMPT
);
CREATE TABLE occasions(
id SERIAL PRIMARY KEY,
creator_id INTEGER NOT NULL REFERENCES users(id),
recipe_id INTEGER NOT NULL REFERENCES recipes(id),
created_at TIMESTAMPT
);

```

