#### **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**

- users can sign into the app with their email & password
  - Authentication
    - Email
    - Password
- users can create recipes with ingredients and instructions
  - Create posts
  - Query on type of food
  - Recipe for that type
    - Ingredients
    - instructions
- recipes can be marked as public or private
  - o Recipe profile
    - Public
    - Private
- users can view other people's recipes
  - Can view public profiles
  - Can search for recipes
- ingredients from recipes can be added to user's grocery lists
  - User ID
    - Grocery list
- users can create their own occasions and assign recipes to occasions
  - Create event
  - Post text
  - Import recipes

### Table Ideas

- Users this table will hold the user id of the user
- Auth this table will hold the email and password information of the user id
- Recipe This table will hold info about ingredients and instructions and whether or not it is public
- Events will hold info about occasions
- Grocery List will hold list of ingredients of each recipe

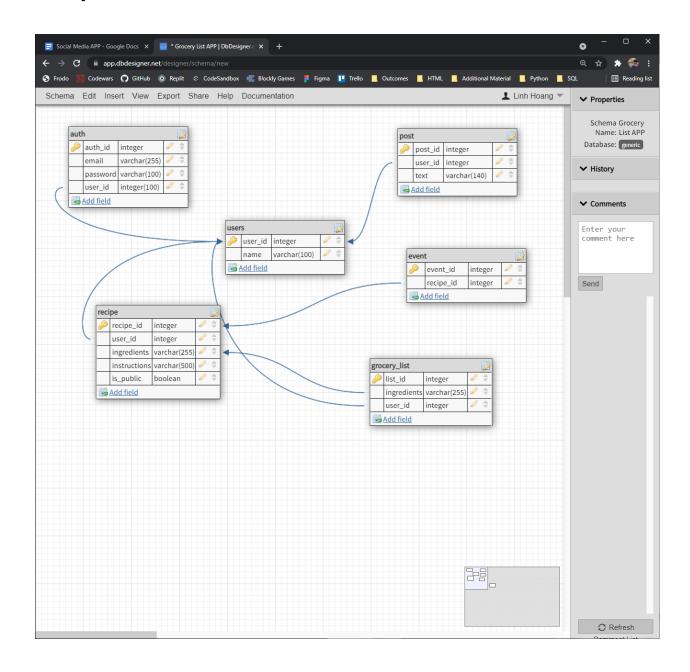
• Post - will hold info about the user ID, recipe, and its public value

## Relationships

- One-to-one
  - Authentication to users
  - Event to recipe
- One-to-many
  - o Recipes to users
  - o users to grocery lists

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- Many-to-many
  - o Recipe to post
  - o Recipe to grocery list
  - o Recipe to users



```
CREATE TABLE users (
user_id SERIAL PRIMARY KEY,
name VARCHAR(100)
);

CREATE TABLE auth (
auth_id SERIAL PRIMARY KEY,
email VARCHAR(255),
password VARCHAR(100),
user_id INT REFERENCES users(user_id)
);
```

```
CREATE TABLE post(
 post_id SERIAL PRIMARY KEY,
 user_id INT REFERENCES users(user_id),
 text VARCHAR(140),
 );
CREATE TABLE recipe(
 recipe_id SERIAL PRIMARY KEY,
user id INT REFERENCES users(user id),
ingredients VARCHAR(255),
instructions VARCHAR(500),
 is public BOOL
 );
CREATE TABLE event(
 event id SERIAL PRIMARY KEY,
recipe_id INT REFERENCES recipe(recipe_id)
 );
CREATE TABLE grocery_list(
 list_id SERIAL PRIMARY KEY,
 ingredients VARCHAR(255) REFERENCES recipe(ingredients),
 user_id INT REFERENCES users(user_id)
 );
```