

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

- 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
 - 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

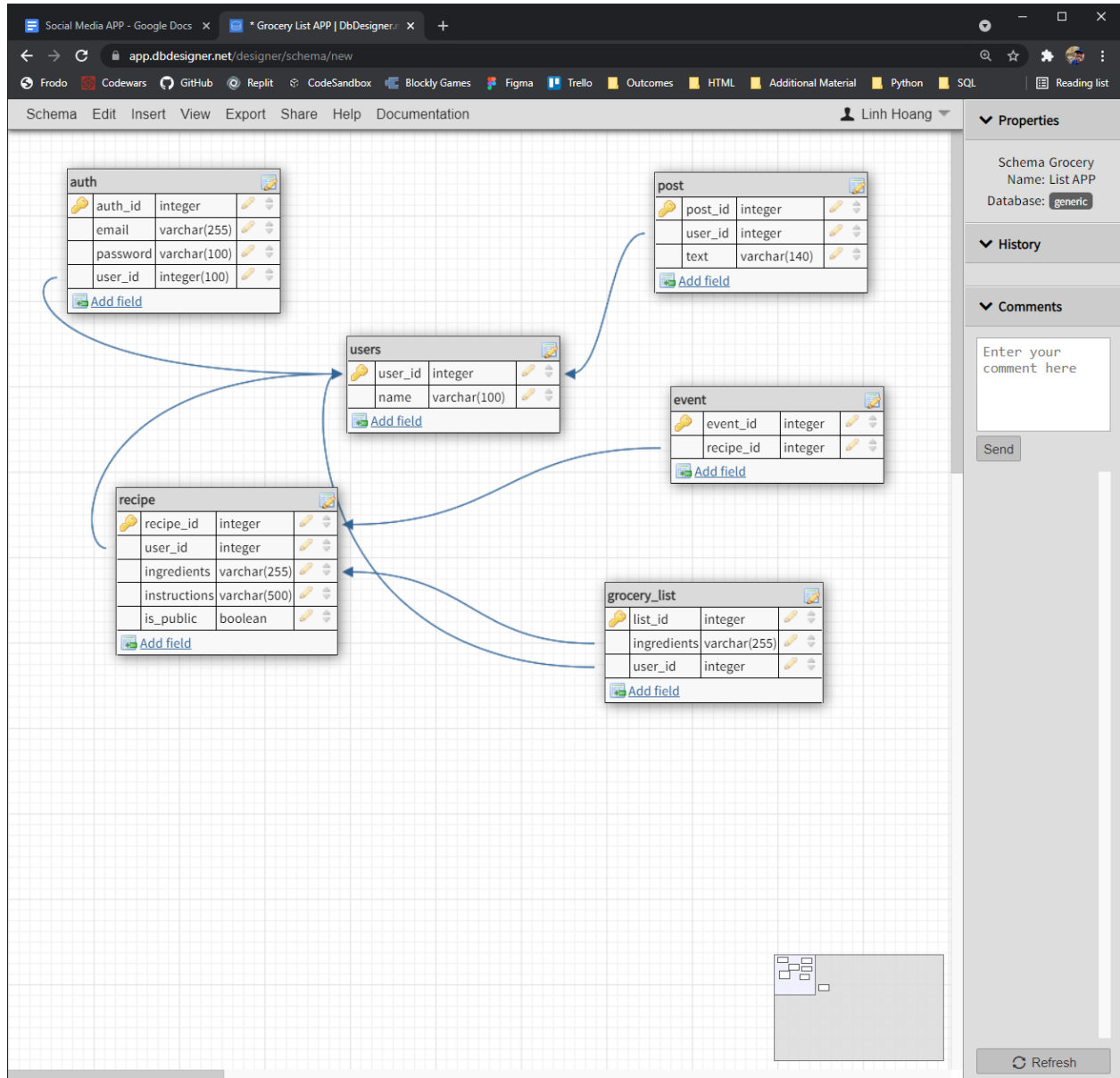
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- Post - will hold info about the user ID, recipe, and its public value

Relationships

- One-to-one
 - Authentication to users
 - Event to recipe
- One-to-many
 - Recipes to users
 - users to grocery lists
 -
- Many-to-many
 - Recipe to post
 - Recipe to grocery list
 - Recipe to users

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```
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)  
);
```

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```
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)  
);
```