Here's the code I need for github

```
git remote add origin https://github.com/MollyEtnierMuniz/Week-5-lab-Tuesday.git
git branch -M 'main'
git push -u origin 'main'
```

Brainstorming

Users can sign into app with email and password
user id
user name
email
password

can create recipes with ingredients and instructions
recipe id
recipe title
recipe ingredients & measurement
recipe instructions
recipe image
mark private or public (boolean?)

users can view other's recipes
permission to view private recipes

ingredients from recipes can be added to user's grocery list
user's grocery list

users can create occasions
occasion name

assign recipes to occasions
recipe occasion

TABLE IDEAS

users
user id
user_name
email
password
grocery_list_

recipe
recipe_id
user_id
recipe_title
ingredient_id
ingredients
instructions
recipe_image
occasion
occasion_id
public or private

ingredients
ingredient_id
grocery_list_id
'flour'
'sugar'
'salt'
'baking soda'
'baking powder'
'chocolate chips'
'eggs'
'turkey'

occasions
occasion_id
'birthday'
'wedding'
'regular schmegular holiday'
'Christmas'
'Eid'
'Valentine's Day'

grocery
grocery_id
'flour'
'sugar'
'salt'
'baking soda'
'baking powder'
'chocolate chips'
'eggs'
'turkey'

Relationships

One-to-many
~user -> recipes
many-to-many

~ recipes ->ingredients
~ recipes -> occasions
~ ingredients -> grocery lists
one-to-one
~user -> grocery_list

```
CREATE TABLE users (
user_id SERIAL PRIMARY KEY,
user_name VARCHAR(100) NOT NULL,
email VARCHAR(100) NOT NULL,
password VARCHAR (500) NOT NULL,
);
```

```
CREATE TABLE ingredients (
ingredients_id SERIAL PRIMARY KEY,
ingredient_1 TEXT NOT NULL,
ingredient_2 TEXT NOT NULL,
ingredient_3 TEXT NOT NULL,
ingredient_4 TEXT,
ingredient_5 TEXT,
ingredient_6 TEXT,
ingredient_7 TEXT,
ingredient_8 TEXT
)
```

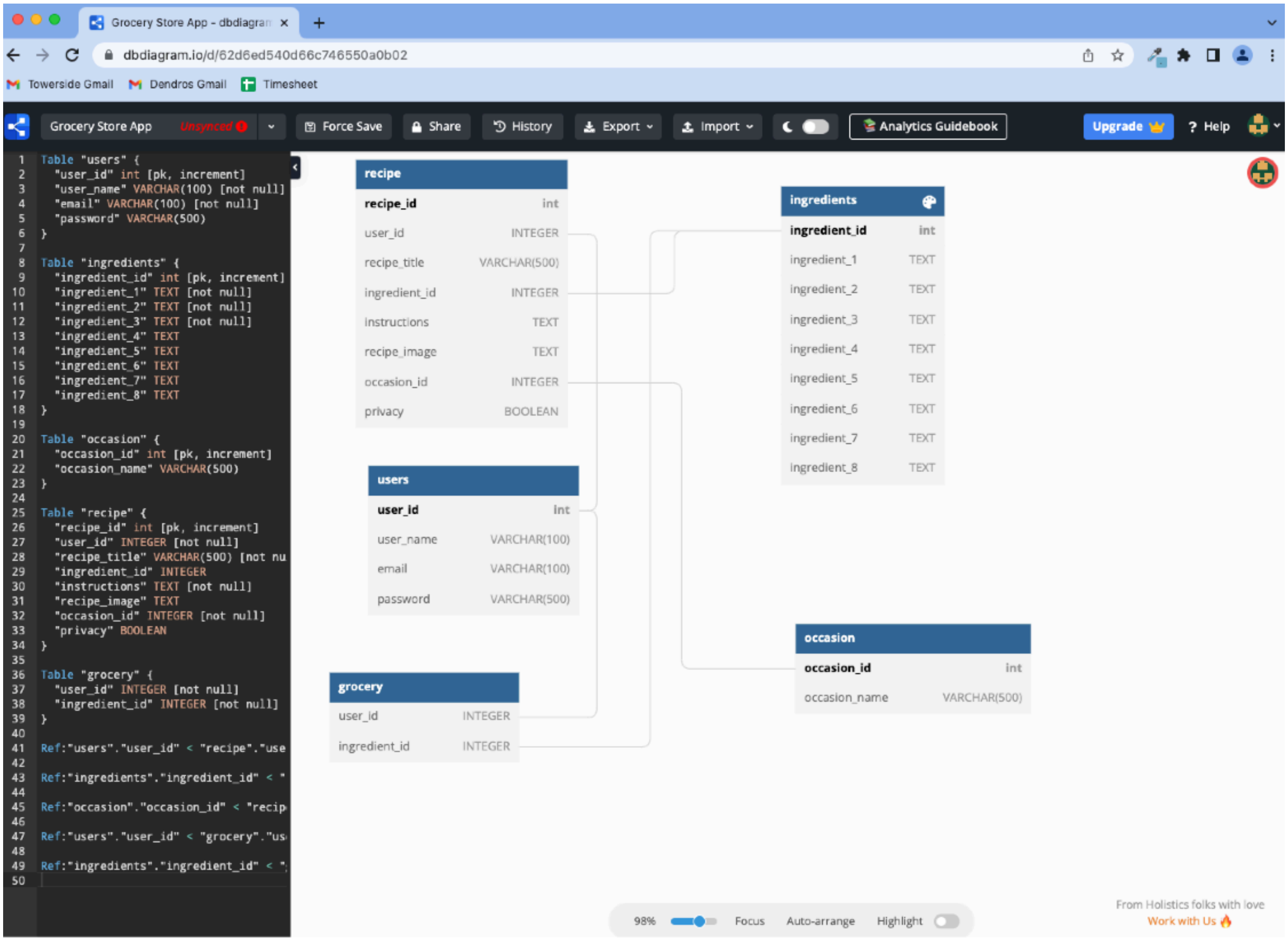
```
CREATE TABLE recipe (
recipe_id SERIAL PRIMARY KEY,
user_id INTEGER NOT NULL REFERENCES users(user_id),
recipe_title VARCHAR (500) NOT NULL,
ingredient_id INTEGER NOT NULL REFERENCES ingredients(ingredient_id),
instructions TEXT NOT NULL,
recipe_image TEXT,
occasion_id INTEGER NOT NULL REFERENCES occasion(occcsion_id),
occasion_name VARCHAR (500)
```

```
Table "users" {
  "user_id" int [pk, increment]
  "user_name" VARCHAR(100) [not null]
  "email" VARCHAR(100) [not null]
  "password" VARCHAR(500)
}

Table "ingredients" {
  "ingredient_id" int [pk, increment]
  "ingredient_1" TEXT [not null]
  "ingredient_2" TEXT [not null]
  "ingredient_3" TEXT [not null]
  "ingredient_4" TEXT
  "ingredient_5" TEXT
  "ingredient_6" TEXT
  "ingredient_7" TEXT
  "ingredient_8" TEXT
}
```

```
Table "occasion" {
  "occasion_id" int [pk, increment]
  "occasion_name" VARCHAR(500)
}

Table "recipe" {
  "recipe_id" int [pk, increment]
  "user_id" INTEGER [not null]
  "recipe_title" VARCHAR(500) [not null]
  "ingredient_id" INTEGER [not null]
  "instructions" TEXT [not null]
  "recipe_image" TEXT
  "occasion_id" INTEGER [not null]
  "occasion_name" VARCHAR(500)
  "privacy" BOOLEAN
}
```



```
Table "users" {
  "user_id" int [pk, increment]
  "user_name" VARCHAR(100) [not null]
  "email" VARCHAR(100) [not null]
  "password" VARCHAR(500)
}

Table "ingredients" {
  "ingredient_id" int [pk, increment]
  "ingredient_1" TEXT [not null]
  "ingredient_2" TEXT [not null]
  "ingredient_3" TEXT [not null]
  "ingredient_4" TEXT
  "ingredient_5" TEXT
  "ingredient_6" TEXT
  "ingredient_7" TEXT
  "ingredient_8" TEXT
}

Table "occasion" {
  "occasion_id" int [pk, increment]
  "occasion_name" VARCHAR(500)
}

Table "recipe" {
  "recipe_id" int [pk, increment]
  "user_id" INTEGER [not null]
  "recipe_title" VARCHAR(500) [not nu
  "ingredient_id" INTEGER
  "instructions" TEXT [not null]
  "recipe_image" TEXT
  "occasion_id" INTEGER [not null]
  "privacy" BOOLEAN
}

Table "grocery" {
  "user_id" INTEGER [not null]
  "ingredient_id" INTEGER [not null]
}

Ref:"users"."user_id" < "recipe"."use

Ref:"ingredients"."ingredient_id" < "

Ref:"occasion"."occasion_id" < "recip

Ref:"users"."user_id" < "grocery"."us

Ref:"ingredients"."ingredient_id" < "

```

recipe	
recipe_id	int
user_id	INTEGER
recipe_title	VARCHAR(500)
ingredient_id	INTEGER
instructions	TEXT
recipe_image	TEXT
occasion_id	INTEGER
privacy	BOOLEAN

ingredients	
ingredient_id	int
ingredient_1	TEXT
ingredient_2	TEXT
ingredient_3	TEXT
ingredient_4	TEXT
ingredient_5	TEXT
ingredient_6	TEXT
ingredient_7	TEXT
ingredient_8	TEXT

users	
user_id	int
user_name	VARCHAR(100)
email	VARCHAR(100)
password	VARCHAR(500)

occasion	
occasion_id	int
occasion_name	VARCHAR(500)

grocery	
user_id	INTEGER
ingredient_id	INTEGER

Demo in-lecture (for my studying)

- users can sign into the app with their email and password
- users can follow each other
- users can create posts with photos and/or text
- users can comment on posts
- users can join groups
- users can create posts within groups

Brainstorming

Users:

- User ID
- Email
- Password
- Phone number
- Name
- Birthday

Posts:

- Post ID
- Text
- Image url
- Date

Comments:

- Comment ID
- Text
- Image url
- Date

Groups:

- Group ID
- Name
- Creator
- Private

Table Ideas

users:

- user_id
- email
- password
- phone_number
- name
- birth_date

posts:

- post_id
- text
- image
- date

comments:

- comment_id
- post_id
- user_id
- text
- image
- date

groups:

- group_id
- name
- creator
- private

group_posts:

- group_post_id
- post_id
- group_id

group_members:

- group_member_id
- user_id
- group_id
- joined_date
- admin

follows:

- follow_id
- followed_id (user_id)
- follower_id (user_id)

Relationships

One-to-many:

- Users -> Comments
- Users -> Groups
- Users -> Posts
- Groups -> Members
- Post -> Comments
- Groups -> Group Posts

Many-to-many:

- Users -> Follows?

One-to-one:

Features

- users can sign into the app with their email and password
- users can follow each other
- users can create posts with photos and/or text
- users can comment on posts
- users can join groups
- users can create posts within groups