Brainstorming

- Users accounts (email, password, personal info)
- Recipes (name, instructions, privacy)
- Ingredients (name, quantity)
- Grocery List (user, ingredients, quantity)
- Occasions (name, description, date)

Table Ideas

- users: Stores user information (id, email, password)
- recipes: Stores recipe Information (id, name, description, instructions, privacy)
- ingredients: Stores Ingredients information (id, name, quantity)
- grocery_lists: Stores grocery list information
- occasions: Stores occasion information (id, name, description, user_id, date)

Relationships

- One-to-one: Auth to User
- One-to-many:
- Users-to-recipes (one user can have many recipes)
- Recipes-to-recipe_ingredients (one recipe can have many ingredients)
- Users-to-occasions (one user can create many occasions)
- Occasions-to-recipe_occasions (one occasion can have many recipes)
- Users-to-grocery_lists (one user can have many grocery lists)
- Grocery_lists-to-grocery_list_items (one grocery list can have many items)
- Many-to-many:
- Recipes-to-occasions (a recipe can be assigned to many occasions, an occasion can have many recipes)

Columns

Every table needs an id, and every id is an integer and a primary key.

Auth: Email, password are varchars so we can limit the maximum number of characters, user_id is a foreign key so it is an integer too and is related to user in one to one.

User: Name is text because is a name.

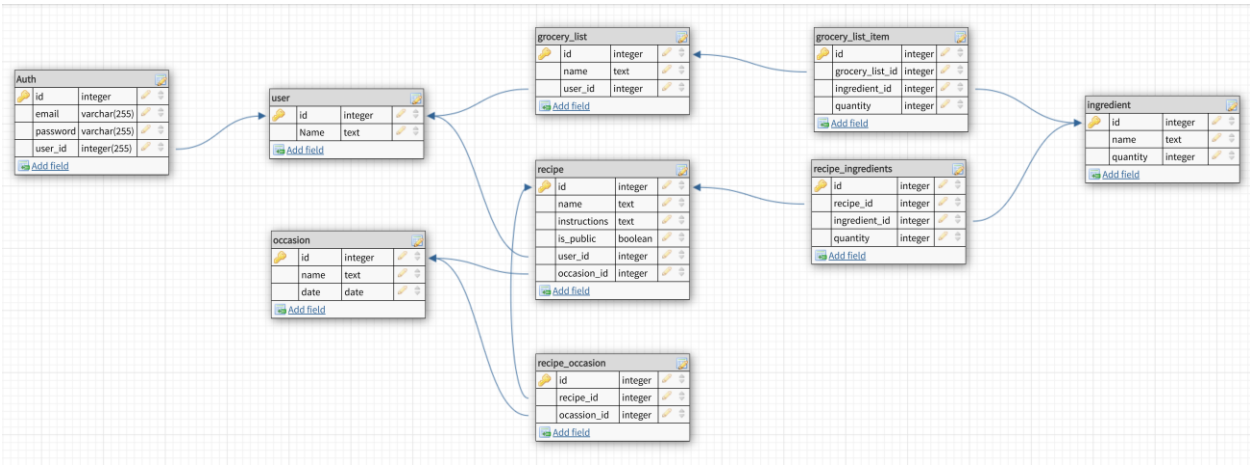
Occasion: Date because we need to know the date of the occasion.

Grocery_list: foreign key, text, integer.

Recipe: is_public Boolean true or false to set if its public or not.

Additional Tables

- recipe_ingredients: Maps ingredients to recipes (id, recipe_id, ingredient_id, quantity)
- Occasions-to-recipe_occasion: Maps recipes to occasions (id, recipe_id, occasion_id)
- grocery_list_item: Maps ingredients to grocery lists (id, grocery_list_id, ingredient_id, quantity)


Auth
id integer
email varchar(255)
password varchar(255)
user_id integer(255)
Add field
user
id integer
Name text
Add field
grocery_list
id integer
name text
user_id integer
Add field
grocery_list_item
id integer
grocery_list_id integer
ingredient_id integer
quantity integer
Add field
Ingredient
id integer
name text
quantity integer
Add field
recipe
id integer
name text
instructions text
is_public boolean
user_id integer
occasion_id integer
Add field
recipe_ingredients
id integer
recipe_id integer
ingredient_id integer
quantity integer
Add field
occasion
id integer
name text
date date
Add field
recipe_occasion
id integer
recipe_id integer
ocassion_id integer
Add field