BrainStorming:

* Users/Auth
* Public/Private Recipes
* Ingredients
* Grocery Lists
* Occasions
* Saved Recipes

Relationships:

One to One:

USER TABLE – AUTH TABLE ; Sign in! One user to one password

One to Many:

User - Recipes :one user creates many recipes

Grocery List - Ingredients : one list w/ many ingred.

Grocery List - Recipes: one list w/ many Recipes

Grocery List - Occasions: one list w/ many Occasions

Many to Many:

User to Occasion, User-Occasion\* many users can access many occasions

Ingredient - Recipes :Recipe-Ingredients Many ingredients used in many recipes

Recipes - Occasions:Occasion-Recipes Many recipes can be added to many occasions

Recipes -User Recipes\* Users

Tables:

User\*

Auth\*

Grocery list\*

Ingredient\*

Recipe\*

Occasion\*

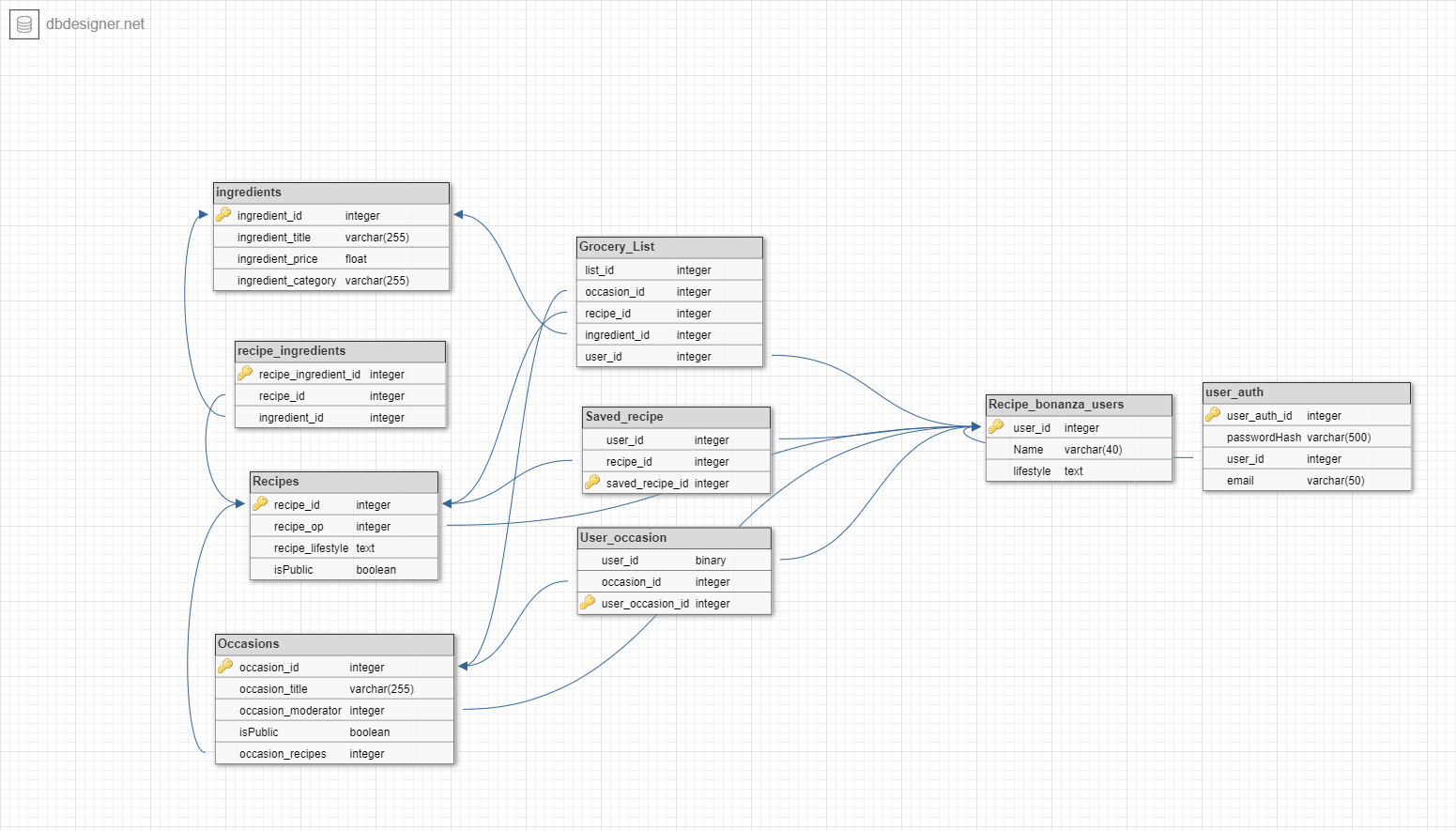
Saved Recipe\*

User-occasion

Recipe-Ingredients

Occasion-Recipes

User-Recipes



**Ingredients**:

Id - identify

Title - to see name/ varchar to have a set amount of characters to list the product

Price - for totaling lists/ float works best here because sales tax

Category - type of ingredient/ add in whether something is a fruit,

**recipe - ingredients**:

Middle man for

Recipe\_id and Ingredients\_id

**Recipes**:

Recipe\_id - identification /id are numbers

Recipe\_op-To save the user who added the recipe /link to id\_user

Recipe\_lifestyle- weather the recipe is vegan/vegetarian etc. /char used because type is natural lang.

isPublic- is a boolean to say weather the recipe is intended to be public or private

**Occasions**:

Id - identify

Title - natural language

Moderator - special access

isPublic - private or public

Occasion-recipes: to link to recipes i

**Grocery\_List**:

List\_id: find list

Occasion\_id: link to occasion integer cuz integer

Recipe\_id: foreign id/ to link with the recipe

Ingredient\_id: foreign id/ to link with the ingredient

User\_id: foreign id/ to link with the user

**Saved\_recipes**:

Saved\_recipe\_id: identification/serial

User\_id: foreign id/ to link with the user

Recipe\_id: foreign id/ to link with the recipe

**User\_occasion:**

User\_occasion\_id: serial/ identification

User\_id: foreign id/ to link with the user

occasion\_id: foreign id/ to link with the recipe

**Recipe\_bonanza\_users**:

User-id: serial/ used for identification

Name: used for the user’s name

Lifestyle: the user inputs his preferred lifestyle like vegan,etc.

**User\_auth**:

User\_auth\_id: way to access id

Password Hash : used for storing hashed password char because will contain letters and numbers

User\_id: foreign id/ to link with the user

Email: unique username;char to store emails

CREATE TABLE Recipe\_bonanza\_users (

user\_id SERIAL PRIMARY KEY,

names varchar(40),

lifestyle varchar(140)

) ;

CREATE TABLE user\_auth (

user\_auth\_id SERIAL PRIMARY KEY,

passwordHash varchar(500),

user\_id integer NOT NULL REFERENCES, Recipe\_bonanza\_users(user\_id)

email varchar(50)

);

CREATE TABLE ingredients (

ingredient\_id SERIAL PRIMARY KEY,

ingredient\_title varchar(255),

ingredient\_price FLOAT,

ingredient\_category varchar(255)

);

CREATE TABLE Recipes(

recipe\_id SERIAL PRIMARY KEY,

recipe\_op integer,

recipe\_lifestyle varchar(255),

isPublic BOOLEAN

);

CREATE TABLE Occasions (

occasion\_id SERIAL PRIMARY KEY,

occasion\_title varchar(255),

occasion\_moderator integer NOT NULL REFERENCES, Recipe\_bonanza\_users(user\_id)

isPublic BOOLEAN,

occasion\_recipes SERIAL PRIMARY KEY

);

CREATE TABLE Grocery\_List (

list\_id SERIAL PRIMARY KEY,

occasion\_id integer NOT NULL REFERENCES, Occasions(occasion\_id),

recipe\_id integer NOT NULL REFERENCES, Recipes(recipe\_id),

ingredient\_id integer NOT NULL REFERENCES, ingredients(ingredient\_id),

user\_id integer NOT NULL REFERENCES, Recipe\_bonanza\_users(user\_id)

);

CREATE TABLE Saved\_recipe (

user\_id integer NOT NULL REFERENCES, Recipe\_bonanza\_users(user\_id),

recipe\_id integer NOT NULL REFERENCES, Recipes(recipe\_id),

saved\_recipe\_id SERIAL PRIMARY KEY

);

CREATE TABLE User\_occasion (

user\_occasion\_id SERIAL PRIMARY KEY

user\_id integer NOT NULL REFERENCES, Recipe\_bonanza\_users(user\_id),

occasion\_id integer NOT NULL REFERENCES, Occasions(occasion\_id)

);

CREATE TABLE recipe\_ingredients (

recipe\_ingredient\_id SERIAL PRIMARY KEY,

recipe\_id integer NOT NULL REFERENCES, Recipes(recipe\_id),

ingredient\_id integer NOT NULL REFERENCES, ingredients(ingredient\_id),

);