Data Modeling

Rrecipe

1. Brainstorm-

User.

User names
Email
Password
Photos
Favorited recipes

Recipes.

Recipe Id:
Who submitted recipe
Photos
Quantity
Can set public or private
Instructions
Share recipe
Reviews- comments
likes/favorites

Ingredients:
Ingredient ID
Name

Grocery List:
Grocery id
Recipe id
Add ingredients from recipe

Occasions:
Occasion id
Add recipe
Comment

Top Ten:
Top 10 of all recipes

Table Ideas-
User: this will hold all of the information of specific users.

Recipe: A list of recipe names with instructions about that recipe. Can leave reviews(comments) and set to private

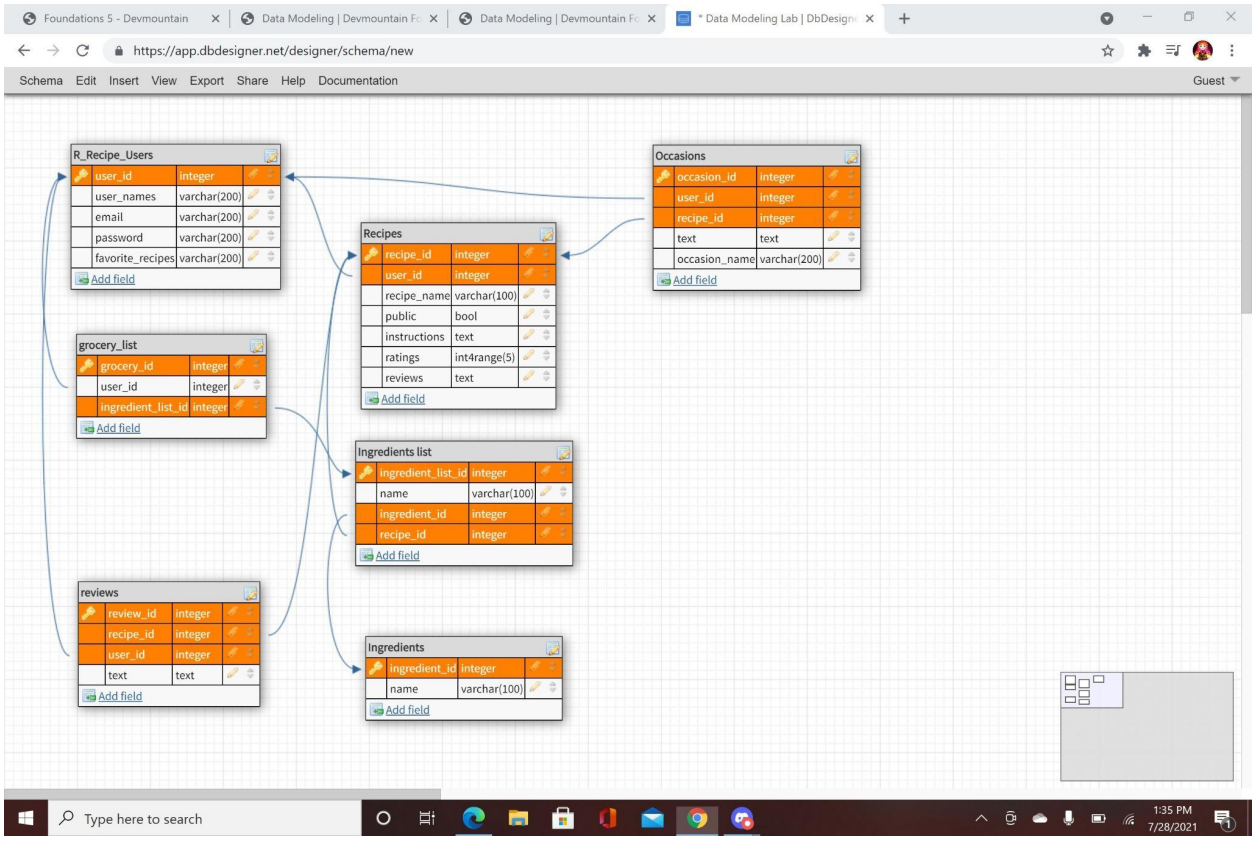
Occasion: this is a list of events and recipes for that occasion.

==========Relationships==========

one -to- one= none

one -to-many = Users, Occasion, grocery list, ingredients // Users access many of the tables as well as Occasion and grocery list.

Many-to-many = recipes, // recipes & ingredients have many lists that reference each other.



Columns==========

R_recipe_users stores:
User id, Username, Email, and Password

// We are storing the users essential information to link them to the website. Things like their username and email to make each user unique.

Recipes stores:
Recipe id, User id, Recipe name, public, instructions, ratings, reviews.

//We want each recipe to have it's own id and link back to the user who submitted it. The recipe should have the ingredients linked from the ingredients list, and have instructions on how to make the recipe. As well as reviews users can leave on the recipes.

Ingredients list stores:
This has the list of ingredients for the recipes individually and gives them a name.
The recipe table references this table for whatever recipe is searched.

//I wanted to list the ingredients separately for each recipe (not sure why, I thought it made sense.) this would have a list of ingredient names and link to the recipe table.

Ingredients:
Stores a lot of ingredients.

// This would have list's of different items that could link to the recipe as well as to the grocery list.

Grocery List:
This stores users and their lists of ingredients from the recipes.

//This links to the ingredients list table and shows what you need for a particular recipe and the user it's creating it for.

Review:
This just stores comments about the recipes and stores the users who left the review.

//This lets users leave comments about the recipes.

Occasions:
This stores the name of the occasion and who created it. It also references the recipe id and the users can leave comments.

```
-- CREATE TABLE "public.R_Recipe_Users" (
--         "user_id" serial NOT NULL,
--         "user_names" varchar(200) NOT NULL UNIQUE,
--         "email" varchar(200) NOT NULL UNIQUE,
--         "password" varchar(200) NOT NULL,
--         "favorite_recipes" varchar(200) NOT NULL,
--         CONSTRAINT "R_Recipe_Users_pk" PRIMARY KEY ("user_id")
-- ) WITH (
--   OIDS=FALSE
-- );

-- CREATE TABLE "public.grocery_list" (
--         "grocery_id" serial NOT NULL,
--         "user_id" integer NOT NULL,
--         "ingredient_list_id" integer NOT NULL,
--         CONSTRAINT "grocery_list_pk" PRIMARY KEY ("grocery_id")
-- ) WITH (
--   OIDS=FALSE
-- );
```

```
-- CREATE TABLE "public.Recipes" (
--         "recipe_id" serial NOT NULL,
--         "user_id" integer NOT NULL,
--         "recipe_name" varchar(100) NOT NULL,
--         "public" bool NOT NULL DEFAULT 'true',
--         "instructions" TEXT NOT NULL,
--         "ratings" integer NOT NULL,
--         "reviews" TEXT NOT NULL,
--         CONSTRAINT "Recipes_pk" PRIMARY KEY ("recipe_id")
-- ) WITH (
--   OIDS=FALSE
-- );
-- CREATE TABLE "public.Ingredients" (
--         "ingredient_id" serial NOT NULL,
--         "name" varchar(100) NOT NULL,
--         CONSTRAINT "Ingredients_pk" PRIMARY KEY ("ingredient_id")
-- ) WITH (
--   OIDS=FALSE
-- );
-- CREATE TABLE "public.Occasions" (
--         "occasion_id" serial NOT NULL,
--         "user_id" integer NOT NULL,
--         "recipe_id" integer NOT NULL,
--         "text" TEXT NOT NULL,
--         "occasion_name" varchar(200) NOT NULL,
--         CONSTRAINT "Occasions_pk" PRIMARY KEY ("occasion_id")
-- ) WITH (
--   OIDS=FALSE
-- );
-- CREATE TABLE "public.reviews" (
--         "review_id" serial NOT NULL,
--         "recipe_id" integer NOT NULL,
--         "user_id" integer NOT NULL,
--         "text" TEXT NOT NULL,
--         CONSTRAINT "reviews_pk" PRIMARY KEY ("review_id")
-- ) WITH (
--   OIDS=FALSE
-- );
--
```

```
 CREATE TABLE "public.Ingredients list" (
--         "ingredient_list_id" serial NOT NULL,
--         "name" varchar(100) NOT NULL,
--         "ingredient_id" integer NOT NULL,
--         "recipe_id" integer NOT NULL,
--         CONSTRAINT "Ingredients list_pk" PRIMARY KEY ("ingredient_list_id")
-- ) WITH (
--   OIDS=FALSE
-- );
```