Data
 User_id
Username
Password
Email

Ingredients
Instructions
Post

Public
Private
 Global view

Grocery list
        Add to shopping list

Occasions
        Tag recipes

Tables
User
Suer_id
Username
Password
Firstname
Lastname
Email

Ingredients_names
        Ingerdients_id
        Name

        Recipe_name
        Recipe_id
        Name

Chef: user_id

```sql
CREATE TABLE "public.Users" (
    "user_id" serial NOT NULL,
    "username" varchar(300) NOT NULL UNIQUE,
    "password" varchar(1000) NOT NULL UNIQUE,
    "email" varchar(20) NOT NULL UNIQUE,
    "Firstname" varchar(20) NOT NULL UNIQUE,
    "Lastname" varchar(20) NOT NULL UNIQUE,
    CONSTRAINT "Users_pk" PRIMARY KEY ("user_id")
) WITH (
  OIDS=FALSE
);


CREATE TABLE "public.ingredients" (
    "Ingredients_id" serial NOT NULL,
    "name" varchar(420) NOT NULL UNIQUE,
    CONSTRAINT "ingredients_pk" PRIMARY KEY
("Ingredients_id")
) WITH (
  OIDS=FALSE
);


CREATE TABLE "public.IngredientRecipe" (
    "Recipe_Ingredient_id" serial NOT NULL,
    "ingredient_id" integer NOT NULL,
    "Recipe_id" integer NOT NULL UNIQUE,
    CONSTRAINT "IngredientRecipe_pk" PRIMARY KEY
("Recipe_Ingredient_id")
) WITH (
  OIDS=FALSE
);
```

```sql
CREATE TABLE "public.Recipe" (
    "Recipe_id" serial NOT NULL,
    "name" varchar(20) NOT NULL UNIQUE,
    "chef" varchar(20) NOT NULL UNIQUE,
    "privacy" BOOLEAN NOT NULL UNIQUE,
    "instructions" TEXT(20) NOT NULL UNIQUE,
    CONSTRAINT "Recipe_pk" PRIMARY KEY ("Recipe_id")
) WITH (
  OIDS=FALSE
);


CREATE TABLE "public.holidays" (
    "holidays_id" serial NOT NULL,
    "name" varchar(25) NOT NULL UNIQUE,
    CONSTRAINT "holidays_pk" PRIMARY KEY ("holidays_id")
) WITH (
  OIDS=FALSE
);


CREATE TABLE "public.GroceryList" (
    "GroceryList_id" serial NOT NULL,
    "ingredients_id" integer NOT NULL,
    "Recipe_id" integer NOT NULL,
    CONSTRAINT "GroceryList_pk" PRIMARY KEY
("GroceryList_id")
) WITH (
  OIDS=FALSE
);


CREATE TABLE "public.HolidayRecipe" (
    "HolidayRecipe_id" serial NOT NULL,
    "holidays_id" integer NOT NULL UNIQUE,
    "recipe_id" integer NOT NULL UNIQUE,
    CONSTRAINT "HolidayRecipe_pk" PRIMARY KEY
("HolidayRecipe_id")
```

```sql
) WITH (
  OIDS=FALSE
);



ALTER TABLE "IngredientRecipe" ADD CONSTRAINT
"IngredientRecipe_fk0" FOREIGN KEY ("ingredient_id") REFERENCES
"ingredients"("Ingredients_id");
ALTER TABLE "IngredientRecipe" ADD CONSTRAINT
"IngredientRecipe_fk1" FOREIGN KEY ("Recipe_id") REFERENCES
"Recipe"("Recipe_id");

ALTER TABLE "Recipe" ADD CONSTRAINT "Recipe_fk0" FOREIGN
KEY ("chef") REFERENCES "Users"("user_id");



ALTER TABLE "GroceryList" ADD CONSTRAINT "GroceryList_fk0"
FOREIGN KEY ("ingredients_id") REFERENCES
"ingredients"("Ingredients_id");
ALTER TABLE "GroceryList" ADD CONSTRAINT "GroceryList_fk1"
FOREIGN KEY ("Recipe_id") REFERENCES "Recipe"("Recipe_id");

ALTER TABLE "HolidayRecipe" ADD CONSTRAINT
"HolidayRecipe_fk0" FOREIGN KEY ("holidays_id") REFERENCES
"holidays"("holidays_id");
ALTER TABLE "HolidayRecipe" ADD CONSTRAINT
"HolidayRecipe_fk1" FOREIGN KEY ("recipe_id") REFERENCES
"Recipe"("Recipe_id");
```