**a recipe creating/sharing and grocery list app.**

* users can sign into the app with their email and password
* users can create recipes with ingredients and instructions
* recipes can be marked as public or private
* users can view other people’s recipes
* ingredients from recipes can be added to user’s grocery lists
* users can create their own occasions and assign recipes to occasions

**Step 1 Brainstorming**

Users

name

email

password

recipes

ingredients

instruction

public recipe

private recipe

view public recipe

ingredients add to user grocery list

user created occasions

user assign recipe to occasions

**Step 2/3/4 Table Ideas/Relationships**

Users – hold user data

-user\_id key //integer, primary key, iterate –number value that is unique

-user\_name //VARCHAR –limit character text for typed content

-user\_email //VARCHAR –limit character text for typed content

-user\_password //VARCHAR –limit character text for typed content

One to Many

Occasions – hold occasions data

-occasions\_id key //integer, primary key, iterate –number value that is unique

-occasions\_name //VARCHAR –limit character text for typed content

- users FOREIGN REFERENCE user\_id //REFERENCE to another table

Many to one

Recipes- hold recipe data

- recipe\_id key //integer, primary key, iterate –number value that is unique

- recipe\_name //VARCHAR –limit character text for typed content

-user\_recipe\_public\_toggle //BOOLEAN to toggle public true or false

-occasions FOREIGN REFERENCE occasions\_id //REFERENCE to another table

-users FOREIGN REFERENCE user\_id //REFERENCE to another table

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One to Many

Ingredients- hold ingredient data

-ingredients\_id key //integer, primary key, iterate –number value that is unique

-ingredient\_name //VARCHAR –limit character text for typed content

-reipe\_id FOREIGN REFERENCE Recipes //REFERENCE to another table

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Many to one

Instructions- hold instructions data

-instructions\_id key //integer, primary key, iterate –number value that is unique

- instructions\_name //VARCHAR –limit character text for typed content

- instructions\_content //VARCHAR –limit character text for typed content

-recipe\_id FOREIGN REFERENCE Recipes //REFERENCE to another table

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ASSOCIATION TABLE

Recipe Ingredients- hold recipe ingredient data

- ingredients\_id key //integer, primary key, iterate –number value that is unique

- recipe\_id FOREIGN REFERENCE Recipes //REFERENCE to another table

-ingredients\_id FOREIGN REFERENCE Ingredients //REFERENCE to another table

ASSOCIATION TABLE

Recipe Instructions- hold recipe instruction data

- recipe\_instructions\_id key //integer, primary key, iterate –number value that is unique

- recipe\_id FOREIGN REFERENCE Recipes //REFERENCE to another table

- instructions\_id FOREIGN REFERENCE Instructions //REFERENCE to another table

Grocery List – add ingredients to list

-grocery\_list\_id key //integer, primary key, iterate –number value that is unique

- ingredients\_id FOREIGN REFERENCE Ingredients //REFERENCE to another table

-user\_id FOREIGN REFERENCE Users //REFERENCE to another table

SQL CODE to create tables:

CREATE TABLE users (

user\_id serial PRIMARY KEY,

user\_name varchar(255) NOT NULL,

user\_email varchar(255) NOT NULL,

user\_password varchar(255) NOT NULL

);

CREATE TABLE occasions(

id serial PRIMARY KEY,

occasions\_name varchar(255) NOT NULL,

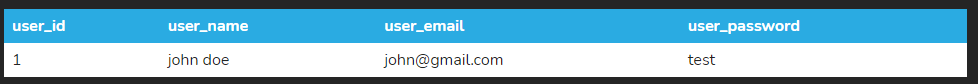
user\_id integer NOT NULL REFERENCES users(user\_id)

);

INSERT INTO users (user\_email, user\_password, user\_name)

VALUES('john@gmail.com','test','john doe');

SELECT \* FROM users



EXPORTED CODE

CREATE TABLE "public.users" (

"user\_id" serial NOT NULL,

"user\_name" varchar(255) NOT NULL,

"user\_email" varchar(255) NOT NULL,

"user\_password" varchar(255) NOT NULL,

CONSTRAINT "users\_pk" PRIMARY KEY ("user\_id")

) WITH (

OIDS=FALSE

);

CREATE TABLE "public.occasions" (

"occasions\_id" serial NOT NULL,

"occasions\_name" varchar(255) NOT NULL,

"user\_id" integer(255) NOT NULL,

CONSTRAINT "occasions\_pk" PRIMARY KEY ("occasions\_id")

) WITH (

OIDS=FALSE

);

CREATE TABLE "public.recipes" (

"recipe\_id" serial NOT NULL,

"recipe\_name" varchar(255) NOT NULL,

"user\_id" integer(255) NOT NULL,

"recipe\_occasions" varchar(255) NOT NULL,

"recipe\_public\_toggle" BOOLEAN NOT NULL,

CONSTRAINT "recipes\_pk" PRIMARY KEY ("recipe\_id")

) WITH (

OIDS=FALSE

);

CREATE TABLE "public.ingredients" (

"ingredients\_id" serial NOT NULL,

"ingredients\_name" varchar(255) NOT NULL,

"recipe\_id" integer(255) NOT NULL,

CONSTRAINT "ingredients\_pk" PRIMARY KEY ("ingredients\_id")

) WITH (

OIDS=FALSE

);

CREATE TABLE "public.instructions" (

"instructions\_id" serial NOT NULL,

"instructions\_name" varchar(255) NOT NULL,

"instructions\_content" varchar(1000) NOT NULL,

"recipe\_id" integer NOT NULL,

CONSTRAINT "instructions\_pk" PRIMARY KEY ("instructions\_id")

) WITH (

OIDS=FALSE

);

CREATE TABLE "public.recipe-ingredients" (

"recipe\_ingredients\_id" serial NOT NULL,

"recipe\_id" integer NOT NULL,

"ingredients\_id" integer NOT NULL,

CONSTRAINT "recipe-ingredients\_pk" PRIMARY KEY ("recipe\_ingredients\_id")

) WITH (

OIDS=FALSE

);

CREATE TABLE "public.recipe\_instructions" (

"recipe\_instructions\_id" serial NOT NULL,

"recipe\_id" integer NOT NULL,

"instructions\_id" integer NOT NULL,

CONSTRAINT "recipe\_instructions\_pk" PRIMARY KEY ("recipe\_instructions\_id")

) WITH (

OIDS=FALSE

);

CREATE TABLE "public.grocery\_list" (

"grocery\_list\_id" serial NOT NULL,

"ingredients\_id" integer NOT NULL,

"user\_id" integer NOT NULL,

CONSTRAINT "grocery\_list\_pk" PRIMARY KEY ("grocery\_list\_id")

) WITH (

OIDS=FALSE

);

ALTER TABLE "occasions" ADD CONSTRAINT "occasions\_fk0" FOREIGN KEY ("user\_id") REFERENCES "users"("user\_id");

ALTER TABLE "recipes" ADD CONSTRAINT "recipes\_fk0" FOREIGN KEY ("user\_id") REFERENCES "users"("user\_id");

ALTER TABLE "recipes" ADD CONSTRAINT "recipes\_fk1" FOREIGN KEY ("recipe\_occasions") REFERENCES "occasions"("occasions\_id");

ALTER TABLE "ingredients" ADD CONSTRAINT "ingredients\_fk0" FOREIGN KEY ("recipe\_id") REFERENCES "recipes"("recipe\_id");

ALTER TABLE "instructions" ADD CONSTRAINT "instructions\_fk0" FOREIGN KEY ("recipe\_id") REFERENCES "recipes"("recipe\_id");

ALTER TABLE "recipe-ingredients" ADD CONSTRAINT "recipe-ingredients\_fk0" FOREIGN KEY ("recipe\_id") REFERENCES "recipes"("recipe\_id");

ALTER TABLE "recipe-ingredients" ADD CONSTRAINT "recipe-ingredients\_fk1" FOREIGN KEY ("ingredients\_id") REFERENCES "ingredients"("ingredients\_id");

ALTER TABLE "recipe\_instructions" ADD CONSTRAINT "recipe\_instructions\_fk0" FOREIGN KEY ("recipe\_id") REFERENCES "recipes"("recipe\_id");

ALTER TABLE "recipe\_instructions" ADD CONSTRAINT "recipe\_instructions\_fk1" FOREIGN KEY ("instructions\_id") REFERENCES "instructions"("instructions\_id");

ALTER TABLE "grocery\_list" ADD CONSTRAINT "grocery\_list\_fk0" FOREIGN KEY ("ingredients\_id") REFERENCES "ingredients"("ingredients\_id");

ALTER TABLE "grocery\_list" ADD CONSTRAINT "grocery\_list\_fk1" FOREIGN KEY ("user\_id") REFERENCES "users"("user\_id");