Brainstorming

User:

User id

Email

Password

Recipe:

Recipe id

Ingredient id

Instructions

Public or private

User id references user id

Follow:

User id

Recipe id

Grocery list:

Grocery list id

User id

Recipe id

Ingredient id

Occasions:

Occasions id

Occasion Name

User id

Recipe id

Ingredients:

Ingredient id

Ingredient name

Recipe id references recipe id

Table Ideas reference brainstorming

Relationship

One to One

One to Many

User => Occasions

User => Grocery List

User => Recipe

Many to Many

Recipe ⇔ Occasions

Recipe ⇔ Ingredients

Columns

CREATE TABLE "user" (

"user\_id" **SERIAL** PRIMARY KEY,

"user\_email" VARCHAR(50),

"user\_password" VARCHAR(50)

);

CREATE TABLE "recipes" (

"recipe\_id" **SERIAL** PRIMARY KEY,

"recipe\_name" VARCHAR(50),

"ingredient\_id" INT NOT NULL,

"instructions" VARCHAR(2000),

"public\_or\_private" **BOOLEAN**,

"user\_id" INT NOT NULL

);

CREATE TABLE "user\_recipe" (

"user\_recipe\_id" **SERIAL** PRIMARY KEY,

"user\_id" INT NOT NULL,

"recipe\_id" INT NOT NULL

);

CREATE TABLE "grocery\_list" (

"grocery\_list\_id" **SERIAL** PRIMARY KEY,

"user\_id" INT NOT NULL,

"recipe\_id" INT NOT NULL,

"ingredient\_id" INT NOT NULL

);

CREATE TABLE "occasions" (

"occasion\_id" **SERIAL** PRIMARY KEY,

"occasion\_name" VARCHAR(50),

"user\_id" INT NOT NULL,

"recipe\_id" INT NOT NULL

);

CREATE TABLE "ingredients" (

"ingredient\_id" **SERIAL** PRIMARY KEY,

"ingredient\_name" VARCHAR(20),

"recipe\_id" INT NOT NULL

);

ALTER TABLE "recipes" ADD **FOREIGN KEY** ("ingredient\_id") **REFERENCES** "ingredients" ("ingredient\_id");

ALTER TABLE "recipes" ADD **FOREIGN KEY** ("user\_id") **REFERENCES** "user" ("user\_id");

ALTER TABLE "user\_recipe" ADD **FOREIGN KEY** ("user\_id") **REFERENCES** "user" ("user\_id");

ALTER TABLE "user\_recipe" ADD **FOREIGN KEY** ("recipe\_id") **REFERENCES** "recipes" ("recipe\_id");

ALTER TABLE "grocery\_list" ADD **FOREIGN KEY** ("user\_id") **REFERENCES** "user" ("user\_id");

ALTER TABLE "grocery\_list" ADD **FOREIGN KEY** ("recipe\_id") **REFERENCES** "recipes" ("recipe\_id");

ALTER TABLE "grocery\_list" ADD **FOREIGN KEY** ("ingredient\_id") **REFERENCES** "ingredients" ("ingredient\_id");

ALTER TABLE "occasions" ADD **FOREIGN KEY** ("user\_id") **REFERENCES** "user" ("user\_id");

ALTER TABLE "occasions" ADD **FOREIGN KEY** ("recipe\_id") **REFERENCES** "recipes" ("recipe\_id");

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