Brainstorming

Need to keep track of grocery lists

Need to keep track of recipes made out of ingredients and instructions

Need to keep track of occasions with assigned recipes

Need to keep of user info.

Table Ideas

User table- will contain user log-in information

Ingredients table- will contain available ingredients

Grocery list table- will contain needed ingredients

Recipe table- will contain ingredients and instructions

Occasions table- will contain occasions and assigned recipes

Relationships

One-to-One

One-to-Many

User => Recipe, Occasions, Ingredients, Grocery

Ingredients

Many-to-Many

Grocery list => Ingredients, Recipe

Recipe ⬄ Occasions

Ingredients ⬄Recipe

Columns

Users

User\_id- INT, need to separate users

User\_email- VARCHAR, to be able to log-in

User\_password- VARCHAR, to be able to log-in

First\_name- VARCHAR, standard when a user creates an account

Last\_name- VARCHAR, standard when a user creates an account

Ingredients

Ingredient\_id, INT, need to separate ingredients

Ingredient\_name, VARCHAR,

Grocery list

List\_id- INT, differentirate between different lists

List\_owner- INT, know who’s list it is

List\_items- INT, which ingredients on the list

Recipes

Recipe\_id- INT, separate recipes

Recipe\_name- VARCHAR, can name a recipe

Recipe\_ingredients- INT, which ingredients are used in the recipe

Recipe\_instructions- VARCHAR, can enter cooking instructions

Recipe\_viewable- BOOLEAN, whether it can be viewed by other users or not (public v. private)

Occasions

Occasion\_id- INT, separates occasions

Occasion\_name- VARCHAR, can name an occasion

Created\_occasion\_user- INT, can tell who created the occasion

Occasion\_recipe- INT, which recipe(s) should be made with each occasion

Table Planning

CREATE TABLE users (

user\_id SERIAL PRIMARY KEY,

user\_email VARCHAR(60),

user\_password VARCHAR(250),

first\_name VARCHAR(60),

last\_name VARCHAR(60)

);

CREATE TABLE ingredients (

ingredient\_id SERIAL PRIMARY KEY,

ingredient\_name VARCHAR(75)

);

CREATE TABLE grocery\_list (

list\_id SERIAL PRIMARY KEY,

list\_owner INT NOT NULL REFERENCES users(user\_id),

list\_items INT NOT NULL REFERENCES ingredients(ingredient\_id)

);

CREATE TABLE recipes (

recipe\_id SERIAL PRIMARY KEY,

recipe\_name VARCHAR(100),

recipe\_ingredients VARCHAR NOT NULL REFERENCES ingredients(ingredient\_id),

recipe\_instructions VARCHAR(5000),

recipe\_occasions INT REFERENCES occasion(occasion\_id),

recipe\_viewable BOOLEAN

);

CREATE TABLE occasions (

occasion\_id SERIAL PRIMARY KEY,

occasion\_name VARCHAR(100),

created\_occasion\_user INT NOT NULL REFERENCES users(user\_id),

occasion\_recipes INT NOT NULL REFERENCES recipes(recipe\_id)

);

Test Enter User Information

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

VALUES ('example@gmail.com', 'example1', 'Katie', 'Anderson');

SELECT \* FROM users;