Week 5 day 2 labs: Data Modeling

section 1:

* User, password, email
* Recipes, pic, ingredients, instructions
* private, public
* veiw, user\_made, user\_veiw
* grocery list, recipes table(as middle man), grocery table
* occasion, number, recipe id, text(what is the occasion?)

section 2:

Tables:

Users: this table will share user email and password

User\_id

email

Password

Recipes: create an id for each recipe along with attaching a user who made it.

It will also have the directions and wether its available or private.

Recipe\_id

userMade (linked to users\_id)

Instructions

Availability private/public

Recipe\_ingredient: middle man between the two

Ingredients: list all ingredients

Ingredient\_id

text(ingredients)

ingredients\_grocery: middle man between ingredients and grocery

grocery: this will record the ingredients we want to add to the shopping list

Grocery\_id

text(from ingredient)

Views: this records what user viewed a given recipe.

Veiw\_id

Recipe\_id (linked to recipies)

userVeiwed (linked to users)

occasion: this allows a user to create an occasion and show a list of those occasions with their assigned recipies.

occasion\_id

text(what is the occasion)

recipe\_id(pulled from recipies)

step 3 relationships:

One-to-one:

* ingredients => grocery (each ingredient can be added to a grocery row. But each row only pertains to the row in which the ingredient is named.

One-to-many:

* recipies => ingredients (one recipe pertains to several ingredients, but all ingredients sharingthe recipe id will only pertain to the one recipe.

Many-to-many:

* user <=> recipes(One user can create several recipes, several different ers
* recipes <=> occasion
* users <=> views
* views ⬄ recipes

CREATE TABLE users(

user\_id SERIAL PRIMARY KEY,

email VARCHAR(255),

password VARCHAR(255)

);

INSERT INTO users (email, password)

VALUES (email.email@email,password

);

CREATE TABLE recipes(

recipes\_id SERIAL PRIMARY KEY,

user\_id\_made INTEGER NOT NULL REFERENCES users(user\_id),

instruction VARCHAR(10),

name VARCHAR(20)

);

INSERT INTO recipes (user\_id\_made,instruction, name)

VALUES (1,……,’fried Chicken’

);

CREATE TABLE ingredients(

ingredient\_id SERIAL PRIMARY KEY,

text VARCHAR(255)

);

INSERT INTO ingredients (text)

VALUES (flour);

INSERT INTO ingredients (text)

VALUES (chicken);

CREATE TABLE occasion(

occasions\_id SERIAL PRIMARY KEY,

text VARCHAR(255)

);

CREATE TABLE veiws(

view\_id SERIAL PRIMARY KEY,

recipe\_id INTEGER REFERENCES recipe(recipe\_id)

user\_id\_view INTEGER REFFERENCE users(user\_id)

);

CREATE TABLE recipe\_ingredient(

recipe\_ingredient\_id SERIAL PRIMARY KEY,

resipe\_id INTEGER REFFERENCE recipe(recipe\_ingredient),

ingredient\_id INTEGER REFFERENCE ingredients(ingredient\_id)

);

INSERT INTO recipe\_ingredient (text)

VALUES (1,1)

);

INSERT INTO recipe\_ingredient (text)

VALUES (1,1)

);

INSERT INTO recipe\_ingredient (text)

VALUES (1,2);

CREATE TABLE grocery(

grocery\_id SERIAL PRIMARY KEY,

user\_id INTEGER REFFERENCE users(user\_id)

ingredient\_id INTEGER REFFERENCE users(user\_id)

);

CREATE TABLE recipe\_occasion(

recipe\_occasion\_id SERIAL PRIMARY KEY,

recipe\_id INTEGER REFFERENCE recipe(recipe\_id)

occasion\_id INTEGER REFFERENCE occasion(occasion\_id)

);