Summary

We want to create a recipe creating/sharing and grocery list app. You'll be planning out what tables we'll need, what information they'll store, and how the data will relate to each other.

Data Needed

1. user _id
2. Password
3. Email
4. First name
5. Last name

1. Recipes
2. Date of creation
3. Text information(instructions)

1. Is_public

1. Shared recipes
2. Grocery list

1. Event_id
2. Users_content
3. Event name
4. Recipes of event

Table Ideas

User Table

- User_id
- Password
- Email
- First name
- Last name

Recipes

- User_id
- Recipe name
- Date of recipe
- Contents
- Is_public

profile

- User_id
- Recipe names
- Friend List
- First name
- Last name

View Recipes

- User_id
- Recipe name
- Profile visited
- Content

Event

- Event_id

- Event name
- User_id
- Recipe name
- Recipe

RELATIONSHIP

ONE-TO-ONE

1. User_id

User ID can only be given to one person and that person can only have 1 user ID

ONE-TO-MANY

1. User to recipe

One user can create many recipes, and those recipes can only be created by one user

MANY-TO-MANY

1. Recipes for Events

Many recipes can be for events, and an event can have many recipes.

Columns

User table

1. User id - used to identify the User and store as an integer as declared primary key
2. Password - storing password information to retrieve upon login
3. Email - also stored to retrieve upon login, also used to spam the user's email account about my useless promotions and amazing specials only 4 people will read.
4. First Name - Declared VARCHAR to store as a string
5. Last Name - same as First

Recipes

1. User id - also referring to the user creating the recipe and who to refer to that recipe.
2. Recipe name - Declared as a string to store recipe name for easy access
3. Date created - datatype is TIMESTAMP also for more information about the recipe contents.
4. Contents - the description of the recipe, and the text used. Datatype is VARCHAR(500) for enough text content
5. Is public - declared BOOLEAN value to determine if the recipe is public to other users

view _recipies

1. Following_id - The person who you are following and their ID number as INT
2. Recipe name - referring to that user ID's recipes catalog

profile

1. user _id - same ID referenced to the user, determine what user's profile it is
2. Recipe_name - referred to the recipes the user has created
3. First_name - also used from user information
4. Last_name - same as the first
5. Following_id - number of people and who this specific profile is following

Event

1. Event_id - primary key used for specific occasions
2. User_id - which users are participating
3. Event_name - Name the event or occasion
4. Recipe name - which recipes will be added to the list and event

SEED:

```
CREATE TABLE users(
user_id SERIAL PRIMARY KEY,
password VARCHAR(30),
email VARCHAR(30),
first_name VARCHAR(20),
last_name VARCHAR(20)
);

CREATE TABLE recipes(
user_id INT PRIMARY KEY NOT NULL REFERENCES users(user_id),
recipe_name VARCHAR(20),
date_created TIMESTAMP,
contents VARCHAR(500),
```

```
is_public BOOLEAN
);


CREATE TABLE profile(
user_id INT PRIMARY KEY NOT NULL REFERENCES users(user_id),
recipe_name VARCHAR(20) REFERENCES recipes(recipe_name),
first_name VARCHAR(20) REFERENCES users(first_name),
last_name VARCHAR(20) REFERENCES users(last_name),
following_id INT NOT NULL REFERENCES users(user_id)
);

CREATE TABLE view_recipes(
following_id INT PRIMARY KEY NOT NULL REFERENCES
profile(user_id),
recipe_name VARCHAR(20) REFERENCES profile(recipe_name)
);

CREATE TABLE event(
event_id SERIAL PRIMARY KEY,
user_id INT REFERENCES users(user_id),
event_name VARCHAR(30),
recipe_name VARCHAR(20) REFERENCES recipes(recipe_name)
);
```