# Recipes/Grocery App DB Design

## Brainstorming/Tables:

users - user\_id, email, password

//Holds user id, email and password for each user

recipes - recipe\_id, user\_id, recipe\_name, ingredients, instructions, category, public(bool)

//stores recipes and all of their info, including what user created it

grocery\_lists - list\_id, user\_id, recipe\_id, item\_id

//Stores ingredients added from a specific user, has additional field for which recipe it came from and notes/image about the item

Items - item\_id, price, quantity, notes, image

//Info about particular grocery items

occasions - occasion\_id, user\_id, recipe\_id

//allows user to input an occasion and tie a recipe to it

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### Relationships:

#### One-one

One user can have only one account

#### One-many

One user can have many of recipes, grocery\_lists, items, occasions

#### Many-many

Recipes/users viewing and adding

# SQL Queries:

CREATE TABLE users (

user\_id integer SERIAL PRIMARY KEY,

email varchar(255),

password varchar(120)

);

CREATE TABLE recipes (

recipe\_id integer SERIAL PRIMARY KEY,

user\_id integer,

recipe\_name varchar(120),

ingredients\_list\_id integer,

instructions text,

category varchar(120),

public boolean,

grocery\_list\_id integer

);

CREATE TABLE grocery\_lists (

grocery\_list\_id integer SERIAL PRIMARY KEY,

user\_id integer,

grocery\_list\_name varchar (120),

item\_id integer

);

CREATE TABLE items (

item\_id integer SERIAL PRIMARY KEY,

item\_name varchar (120),

recipe\_id integer,

user\_id integer,

price integer,

quantity integer,

notes text,

image varchar (255)

);

CREATE TABLE ingredients\_lists (

ingredients\_list\_id integer SERIAL PRIMARY KEY,

recipe\_id integer,

ingredient\_name varchar(120),

item\_id integer

);

CREATE TABLE occasions (

occasion\_id integer SERIAL PRIMARY KEY,

user\_id integer,

recipe\_id integer

);

CREATE TABLE recipeviews (

recipeview\_id integer SERIAL PRIMARY KEY,

viewer\_user\_id integer,

poster\_user\_id integer,

recipe\_id integer

);