Brainstorming
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user id
email - login
name
password
grocerylist - array
recipee - array

ingred id
ingredients

recipee id
user_id (person who made the recipe)
recipee name
ingreds - array
instructions - array
status public or private

occasion_id
user_id
recipe_id

users is one to many with recipe,
users is one to one with grocery list
user is one to many with occasion

recipe is many to many with occasion

Table ideas

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1. Users - user id (primary), name, email (also used for login), password
2. Occasion - occasion id (primary, occasion name, user id (occasion owner)
3. Recipe - recipe id (primary), recipe name, instructions, status (public or private), user id
4. Ingredient - ingredient id (primary), ingredient name
5. Grocerylist - grocerylist id (primary), user id, ingredient recipe id (association table)
6. Ingredient-recipe (association table) - ingredient-recipe id (primary), ingredient id (foreign key), recipe id (foreign key)
7. Occasion-users (association table), occasion-users id, occasion id (foreign key), users id (foreign key)
8. Occasion-recipe (association table), occasion-recipe id, occasion id (foreign key), recipe id (foreign key)

Relationships

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User (occasion owner) to occasion, one to many relationship
User (attendee) to occasion, many to many relationship
User to grocerylist, one to many relationship
User to recipe, one to one relationship
Ingredient to recipe, many to many relationship
Occasion to recipe, many to many relationship

Columns

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1. Users - user id (primary), name, email (also used for login), password
2. Occasion - occasion id (primary, occasion name, user id (occasion owner)
3. Recipe - recipe id (primary), recipe name, instructions, status (public or private), user id
4. Ingredient - ingredient id (primary), ingredient name
5. Grocerylist - grocerylist id (primary), user id, ingredient recipe id (association table)
6. Ingredient-recipe (association table) - ingredient-recipe id (primary), ingredient id (foreign key), recipe id (foreign key)
7. Occasion-users (association table), occasion-users id, occasion id (foreign key), users id (foreign key)
8. Occasion-recipe (association table), occasion-recipe id, occasion id (foreign key), recipe id (foreign key)

```
-- CREATE TABLE users (
--   user_id SERIAL PRIMARY KEY,
--   name VARCHAR(30),
--   username VARCHAR(30),
--   password VARCHAR
--   );

-- CREATE TABLE recipes (
--   recipe_id SERIAL PRIMARY KEY,
--   name VARCHAR(30),
--   Instructions VARCHAR,
--   status BOOLEAN,
--   user_id INTEGER NOT NULL REFERENCES users(user_id)
--   );

-- CREATE TABLE ingredients (
--   ingredient_id serial primary key,
--   name varchar(30)
--   );



-- create table ingredients_recipes (
--   id SERIAL PRIMARY KEY,
--   recipe_id INTEGER NOT NULL REFERENCES recipes(recipe_id),
--   ingredient_id INTEGER NOT NULL REFERENCES ingredients(ingredient_id)
--   );


-- CREATE TABLE grocerylists (
--   id SERIAL PRIMARY KEY,
--   user_id INTEGER NOT NULL REFERENCES users(user_id),
--   ingredients_recipe_id INTEGER NOT NULL REFERENCES ingredients_recipes(id)
--   );


--  CREATE TABLE occastions (
--    id SERIAL PRIMARY KEY,
--    occasion_name VARCHAR (30),
--   user_id INTEGER NOT NULL REFERENCES users(user_id)
--   );
```

```
-- CREATE TABLE occasion_recipes (
--   id SERIAL PRIMARY KEY,
--   recipe_id INTEGER NOT NULL REFERENCES recipes(recipe_id),
--   occasion_id INTEGER NOT NULL REFERENCES occastions(id)
--   );


-- CREATE TABLE occasion_users (
--   id SERIAL PRIMARY KEY,
--   user_id INTEGER NOT NULL REFERENCES users(user_id),
--   occasion_id INTEGER NOT NULL REFERENCES occastions(id)
--   );
```