Brainstorming

DevMountain 12/12/23

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Lab Instructions: https://ed.devmountain.com/materials/f44/exercises/data-modeling/

Data for Grocery List App

- email/password, recipes, ingredients for those recipes, instructions for those recipes, boolean if a recipe is private or public, grocery lists, items for the grocery list, occasions and recipes assigned to those occasions

Table Ideas

- User table: email/password/user ID table/grocery list ID's/ recipe ID's/occasions ID's
- Recipe table: ingredients/ID/instructions/private/public
- Ingredients table: ingredients/ID
- Instructions table: step by step instructions/ID
- Grocery list table: items for grocery list/ID
- Occasions: recipes/ID

Relationships

- One to Many: User table to recipe table, occasions and grocery list
- Many to Many: Ingredients to instructions?
- One to One: recipes to ID?

Columns

- User table: email/password/user ID table (for user info)
- Recipe table: ingredients ID (to connect ingredients)/ID/instructions ID(to connect instructions/private or public boolean (if it is private or public)/ user ID (to associate user with this table)
- Ingredients table: ingredients/ID/ user ID (to associate user with this table)
- Instructions table: step by step instructions(for base data)/ID/ user ID (to associate user with this table)
- Grocery list table: items for grocery list (for base data)/ID/ user ID (to associate user with this table)

- Occasions: recipe ID (to associate recipes with this table)/ID/user ID's (to associate users with this table)

SQL

```
CREATE TABLE users_table (
        user_id SERIAL PRIMARY KEY,
        username VARCHAR(255) NOT NULL,
        email VARCHAR(255) NOT NULL,
        password VARCHAR(255) NOT NULL
);

CREATE TABLE occasions_table (
        occasions_id SERIAL PRIMARY KEY,
        recipe_id INTEGER
        user_id INTEGER
);

CREATE TABLE recipes_table (
        occasions_id SERIAL PRIMARY KEY,
        ingredient_table_id INTEGER,
        instructions_table_id INTEGER,
        user_id INTEGER
);

CREATE TABLE ingredients_table (
        occasions_id SERIAL PRIMARY KEY,
        ingredient TEXT
);

CREATE TABLE instructions_table (
        instruction_table_id SERIAL PRIMARY KEY,
        instruction TEXT
);
CREATE TABLE grocery_list_table (
        occasions_id SERIAL PRIMARY KEY,
        item TEXT
        user_id INTEGER
);
```