Brainstorming

Step 1

Keep track of

user email & password

recipe names, ingredients & instructions

recipe categories

public vs private

ingredients added to grocery list – add a check off box or ability to remove as needed

occasions – and recipes assigned to them

User flows:

Login:

Data considerations:

Storage of user email/password

Pull from User table

A picture containing funnel chart

Description automatically generated

App Main:

Data considerations:

Storage of recipes

Storage of ingredients

Storage of Favorites/categories/occasions

Ability to add/modify recipes and update classification tags

Recipes Table

Recipe Ingredients have its own table

Shopping list will need to be able to be tracked & checking off/deleting items already purchased

Graphical user interface

Description automatically generated

Recipe View:

Data considerations:

Recipe table

Storage of images

Storage of categories

Storage of public vs private

Ability to save a recipe (either as a favorite or under an occasion/category)

A picture containing text

Description automatically generated

Shopping list view:

Data considerations:

Ability to add ingredients from multiple recipes & include amounts

Ability to check off items purchased and delete from shopping list

Table

Description automatically generated with medium confidence

Step 2 – Table Ideas

User table: each row will hold email & password

Recipe table: each row will include recipe name/ID, categories, prep/cook times, servings,

Ingredients table: each row will be of individual ingredient and make reference to recipe ID(repeatable), quantity.

Step 3 – Relationships

One to one:

User table – because user name isn’t connected to recipe tables (except maybe for saved favorites?)

One-to-many:

Ingredients table – ingredients could be related to multiple recipes ID’s. QTYs would vary.

Recipes table – because recipes have unique ID’s (one) but will have many data points from here that could be used across various tables (Users/Ingredients). With helpful data points such as categories, occasions, ingredients, public vs private, cook times, servings etc…

Shopping List Table – related to ingredients pulled from recipes, unique to each user depending on what they decide to add to their list.

Favorites table – unique to each user, to save favorite recipes.

Added Categories & occasions table after working DB designer.

Many-to-many:

None.

Step 4 – added additional shopping list & favorites table

Part 2 –

Step 1: DB Designer

I didn’t see how to add the relationship arrows in my DB designer.. Saved PDF of tables.

Step 2: Columns

Users Table – columns

User\_id, email, password: created to store uniqe ID’s with auto increment, unique email, and password for user login.

Favorites Table – columns

User\_id, recipe\_id, recipe\_name: chose based on user’s selection – grab recipe ID to categorize and recipe\_name for user readability.

Shopping List Table – columns

User\_id, ingredient\_name, qty: based on the user’s selection – grab ingredient name & qty to help user know how much of an ingredient to buy.

Ingredients Table – columns

Recipe\_id(foreign), ingredient\_name, QTY: chosen to save ingredient & qty needed for each recipe id.

Categories Table – columns

Category\_name, recipe\_id, recipe\_name: to be able to save category name to recipe Id & name. These can be non-unique. Ex. 1 recipe ID can have multiple category names to display. Recipe\_name for user readability.

Occasions Table – columns

Occasion\_name, recipe\_id, recipe\_name: to be able to save occasion name to recipe Id & name. These can be non-unique. Ex. 1 recipe ID can have multiple occasion names to display. Recipe\_name for user readability.

Recipes Table – columns

Recipe\_id, recipe\_name, serving\_size, prep\_time, cook\_time, total\_time, private: chose recipe ID as unique & auto increment, recipe name for readability, serving size for user to determine if they need to multiply a recipe for more, cook times for user choice as well, private as Boolean because it’s a binary choice.

Part 3 – SQL creating tables

Users:

Text

Description automatically generated

Recipes:

Text

Description automatically generated

Ingredients:

Text

Description automatically generated

Shopping List:

Text

Description automatically generated

Favorites:

Text

Description automatically generated

Categories:

Text

Description automatically generated

Occasions:

Text

Description automatically generated

Insert Into table:

