

Criterion A - Planning

Problem Statement

My mom who is a great chef and baker has trouble organizing pre-existing recipes and effectively keeping track of daily produced recipes.

Word Count: 22

Description of Scenario

My mom is a chef, baker and also blogger who shares everyday recipes with housewives around the world. As she mentioned in the initial interview¹, she finds it troublesome to keep track of recipes created day by day and organize them tidily for her personal blog. Moreover, she mentions that since recipes hold detailed information and features, such as a list of ingredients, time taken, instructions, etc, it is quite challenging to organize all the data in a single place. Currently, she is storing the recipes in hand-written notes², which is not the most efficient way of organizing multiple recipes as it could be lost or physically damaged near cooking space. Furthermore, organizing recipes in binder wastes lots of time when she searches for specific recipes. In short, my mom needs help with not only memorization and management of recipes but also needs clear arrangement of recipes.

Word Count: 146

Rationale for the proposed product

The solution to the problem addressed above will be the program that I will be conducting to meet my client's expectations. During an initial interview with my client, she said, "I wish I can store these recipes digitally and easily search for those recipes at any time." As she wants the program that not only provides organized lists of recipes that displays detailed information but also obtains functions that allow users to search for specific recipes using keywords. This program will act as both a search engine and a data management program to sate my client's desire. I decided to use Java to write a program because it is a language that I am most comfortable with, it has a good development environment, and it works on many platforms without charge.

Word Count: 132

¹ Client, initial interview by author, Bangkok, November 18, 2019, Appendix 1

² Client, initial interview by author, Bangkok, November 18, 2019, Appendix 1

Success Criteria

- Functions
 - The user will be able to enter new recipes and view recorded recipes.
 - The user will be able to edit/update recipes and remove recipes.
 - The user will be able to save and load the recorded recipes.
 - The user will be able to search for recorded recipes using simple keywords.
 - The user will be able to sort the recipe list table in several ways.
- User-friendly features
 - A Help Menu provides the client a help and guide through the program.
 - A label to clearly communicate the required input with the client
- Error/Exception handling
 - Leaving textField empty or entering incompatible data types would respond with an error message.
 - If not all data is written down, the saving button will return an error with a message to check if the user has completed filling out information. .

Word Count: 139

Total Word Count: 439

Appendix 1: Initial Interview

Student: Can you introduce your previous jobs and talk about your blog in detail?

Client: I have been working as a chef, but now I am a household. Also, I am currently running a blog online, where I post daily recipes to teach people around the world some simple cooking or baking.

S: I want to specifically talk about the cooking part of your job. How much time a day do you spend on that job and How often do you do this?

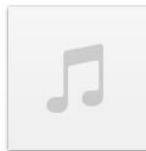
C: I spend about 4~5 hours daily. I also make breakfast, lunch, and dinner for my family every day. In addition, bake and make little snacks too.

S: What are some biggest struggles with cooking food or running a blog?

C: As I age, I think my biggest struggle as a blogger or chef is about keeping track of recipes and providing detailed recipes for the audience. Since I write my recipes on a paper notebook, it requires lots of effort and time in order to organize it day by day. Moreover, it is also possible to lose or damage the recipes because I work with my recipes at a cooking place.

S: Can you tell me what kind of information do you work with?

C: In recipes, I include their names, ingredients needed, time required, date recorded, and instructions.



Interview
001.m4a

Appendix 2: Prototype Interview

S: Hi, mom. After taking a look at my prototype, do you have any suggestions, improvements or maybe things that you didn't like?

C: For the recipe page, I think it will be better if we have the number column to be smaller. And maybe bigger fonts as well. Also, as you were considering, I think sorting by recipe name alphabetically or data added might be a big help too.

S: How about the searching tab?

C: Next, for the search tab, I like all the functionality it has, but it seems a bit unorganized. I think it would be better if they are aligned with each other.

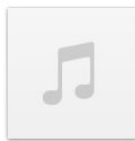
S: Lastly, how was the add page?

C: It looks good, still needs some organization, but overall it looks most organized.

S: Do you have any other things you want to add?

C: No, it looks good. I think you need to improve on font sizes and design for sure.

S: Okay thank you.



Interview
002.m4a

Appendix 1: Initial Prototype

File Edit Help

Recipes Search Add Recipes

Recipe Name:

Add Ingredient:

Enter Date (MM/DD/YY): Jan 1 2018 Special Recipe

Instructions

Ingredient List

Ingredients

Save

File Edit Help

Recipes Search Add Recipes

Search by Recipe Name Search

Search by Date Added Jan 1 2018 Special Recipe

Ingredient List

Instructions

Notes

Ingredients

File Edit Help

Recipes Search Add Recipes

No.	Recipe	Date Added
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Refresh Table

Appendix 2: Client's Annotation

