COMP3111 User Requirement Focus Group Interview Report

Topic: Dieting Chatbot
Group 8 Members: ZENG, Kuang; CHEN, Liang-yu; LIU Heshan;
  LIU Cheng; HUANG Xuhua
Name of Volunteers: Steeve HUANG; Vicky XI; Jack LEE; Jason XU;
  Russel YANG (for privacy reason, we use their nicknames instead)
Date: Oct 8th, 2017
Venue: LC-17

Problems that potential users may face without the chatbot

#	Problems	Remarks
0	Users may have no personalized plan to change their body shape	
1	Hard to control calories from meals	
2	Fail to provide updated recommendation based on the changing of users' body	
3	Users may be confused about what to do or eat in different body status	
4	Users may not be able to stick with their diet plans	
5	Users may not be familiar with food they eat	
6	Users may not be able to trace their body status throughout time	
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Meeting Notes

To start with our project, we had brainstormed for multiple problems that people may be facing without our chatbot. Then, we selected five people with different genders, ages, physiques, figures, and sport habits as our focus group. We first raised a few questions about the problems, and then asked our clients for their solutions and viewpoints toward this question while comparing their answers with our pseudo-solutions. Also, most of our clients had given great extra ideas about our project which can probably improve the comprehensiveness of our chatbot, making it more practical and indispensible for modern humans. The detailed record of our meeting is shown as below and also our attached video.

Interview with clients:
1.Russel YANG:
I) Based on users' goals (getting bulked, cut fat or lose weight etc.) and give proper advice to it. For example, if someone wants to build muscles, the chatbot should be able to record daily body statistics and check if it satisfies the goal or not. Also, the chatbot should be able to give advice that can make our goal easier. For example, it should be able to tell us what shall we eat after workout so that we can keep our body figure well.
II) I think users should be able to know more about the food they eat. If users are shopping in supermarkets, our chatbot shall be able to give the information about the food we wish to buy. For example, if we want to buy bananas, users should be able to know whether it can satisfy the calorie requirement and today's diet plan.
III) Also, users may want to be hearing the diet plan from other users with great figure. So I hope that this chatbot can serve as a platform for this kind of information exchange.

2.Steeve HUANG:
I) He wants our bot is able to provide information of food in details to help him calculate and control calories.
II) He also suggests that our bot should concern client's budget to offer plans. Based on different range of budget, different diet plans will be given.
III) He wants our bot can encourage and supervise him to insist on healthy diet plan.

3.Vicky XI:
I) Be able to record the daily food consumption as long as I input the food name and amount I ate such as "200g apple". Help store the previous data and can visualize weekly or monthly diet situations in order to help me trace my body status throughout time when I need.
II) Can suggest diet plan based on my favorite food, provide diverse diet plan for me to choose.
III) When I cannot find some special food in the database, but it is actually one of my daily food, I can insert the new food into the database along with some detailed information about the food. After that, I can input that food directly when I eat it in the future.

4.Jack LEE:
I) He feels confused when considering the calories intake from various meal, where an accurate calorie calculator is expected.
II) Various suggestions and guidance of dieting are needed as reference for beginner.

5.Jason XU:

I) Customization, the chatbot should be able to record what clients have ate recently and their eating habits to do the customized recommendation

II) The chatbot should have a database that contains the nutrients of some common foods in a specific district. For example, the chatbot could have a database of the menu of student canteens of the universities in Hong Kong.

III) The chatbot could give the a specific dieting plan based on user's goal like "lose weight 20 pounds ".

Summary

With all the suggestions and ideas as above clients alluded, we have taken them as reference and came up with several ideas that can meet our features. Very detailed record for our meeting record can be found in the meeting video as the url specifies(https://youtu.be/qvlG8bEMSvQ). One can gain better insights for the functions in the project proposal, and the summarized features are listed in the table as the following.

| Features	Address Problem # / Marketing Departmet Initial Ideas	Approval (by clients / TA)
1.Be able to obtain personal lifestyle information from clients (e.g Height, weight, body fat, regular meals that users eat, and daily calories consumption) in order to understand the health situation of client roughly. This feature includes reading diet menu from users by the text file/ url of JSON lists provided.	#0	Yes
2.Be able to suggest the most appropriate recipe according to various budget and favorite food	N/A	Yes
3.Providing knowledge about how different types of nutrients can affect human body (e.g. why do we have to eat less carbohydrates when shredding and more protein to build muscles etc.), and effect that food can be imposed on human body (e.g. how and why broccoli can benefit our body).	#3, #5	Yes
4.Users can provide food data to our database if no such data exists.	#5	Yes
5.Give a self-assessment to users, which serves as a reference for us to adjust the diet plan, making it easier or set a high challenge.	#4	Yes
6.Give an user-guideline of how to use this chatbot when users send an unrelated message.	N/A	Yes
7.Record the change of the body status through time, and giving some motivational shit to users to convince them to stick with their plans. Record the foods ate and the body weight in the past few days.	#4	Yes
8.Offer several plans of different difficulties.	N/A	Yes

Photos for our meeting
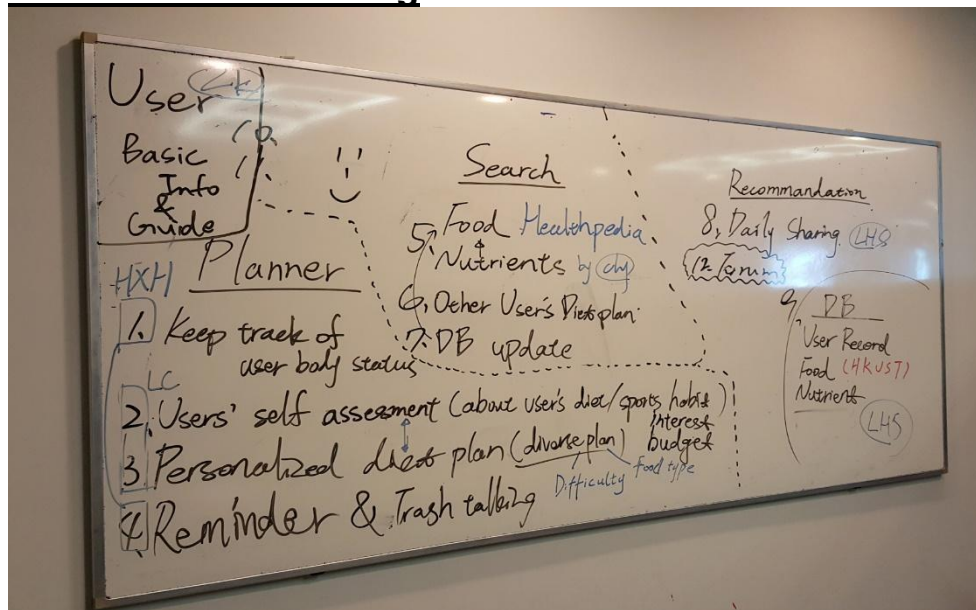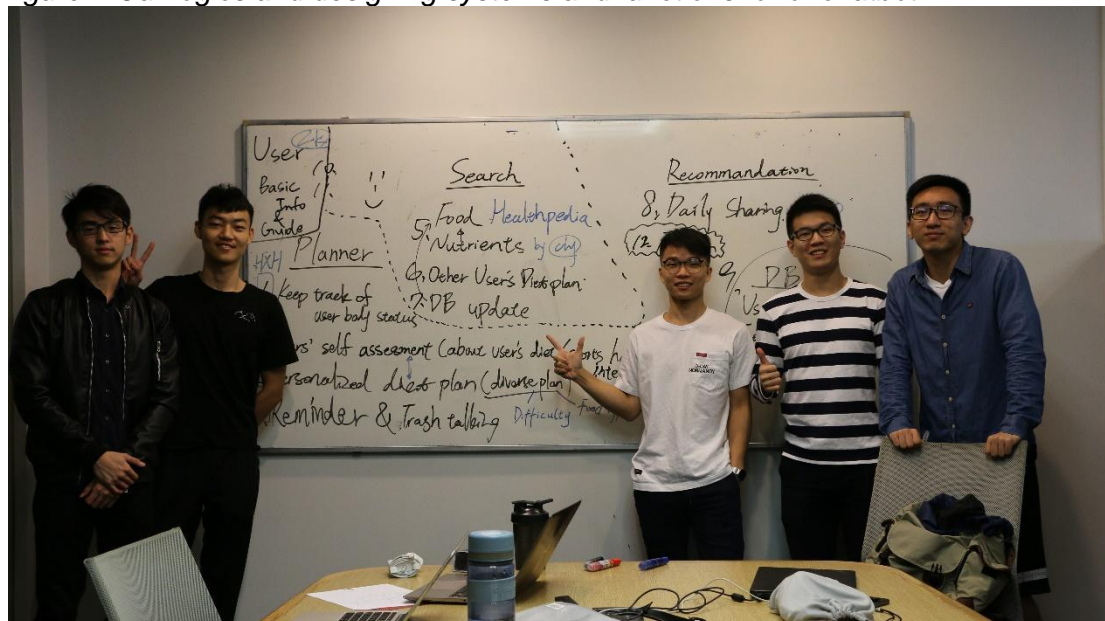

figure1: Our logics and designing systems and functions for or chatbot

figure2: Our member crews