

Group Eight | CHEN Liangyu; LIU Cheng; LIU Heshan; HUANG Xuhua; ZENG Kuang

(1) QR Code:

QR code



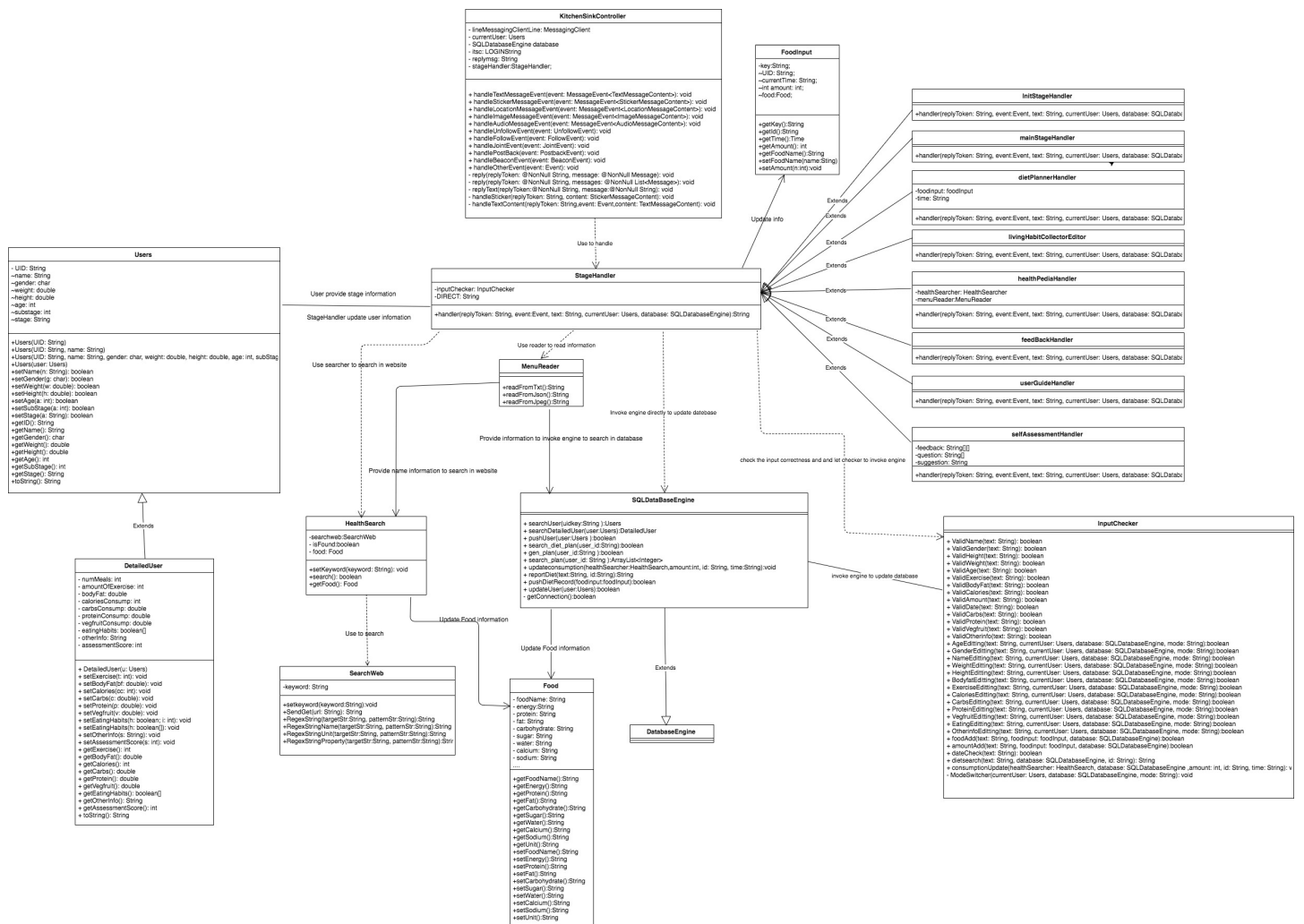
Use this QR code to add your bot as a friend for testing and to share your bot with other users.

(2) GITHUB ACCOUNT:

<https://github.com/COMP3111Group8/Line-chatbot-for-COMP3111>

This link is public in order to make it viewable.

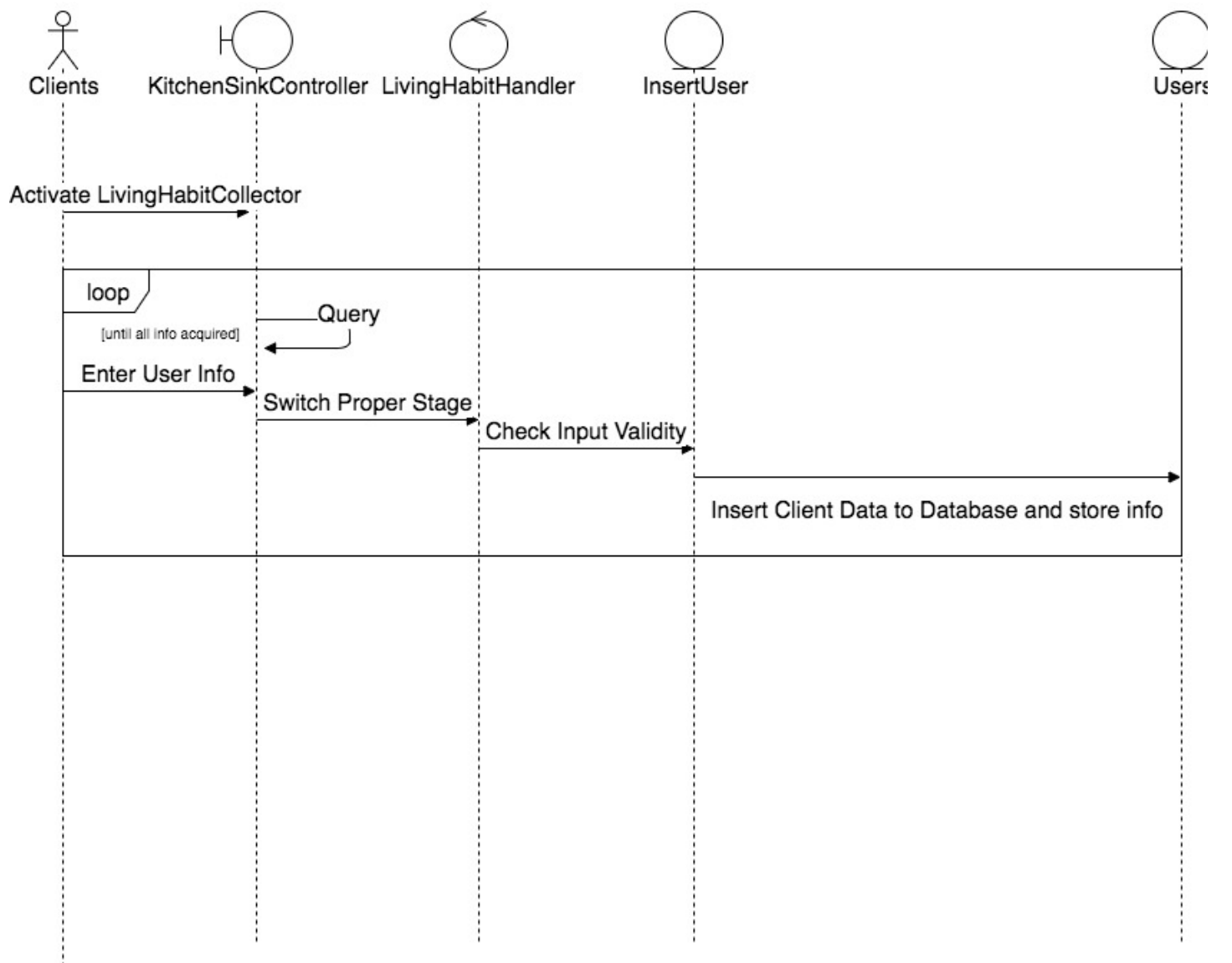
(3) UML Class Diagram <Clearer picture is attached>:



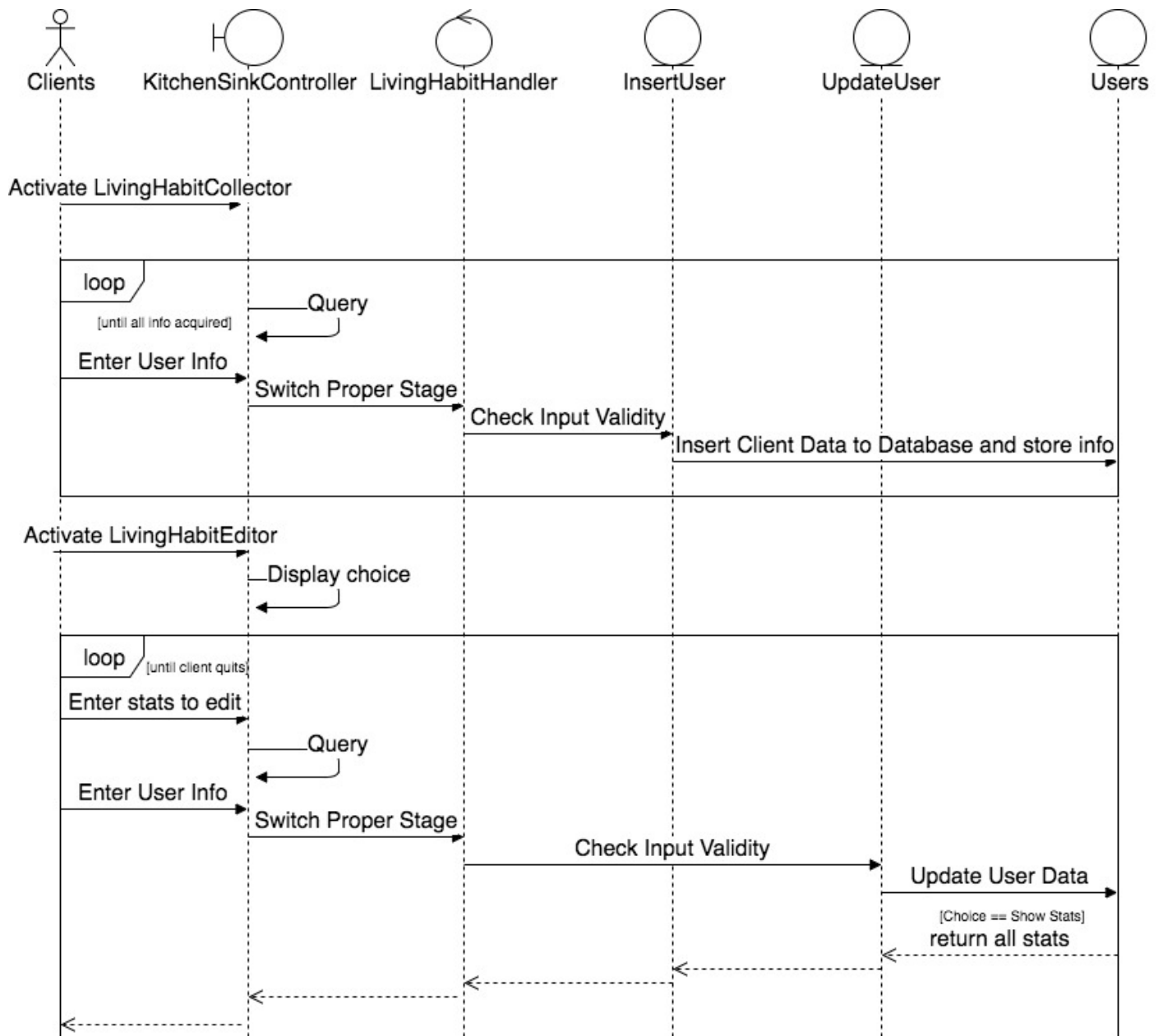
(4) Sequence Diagram <Clearer picture is attached>:

InitStageHandler:

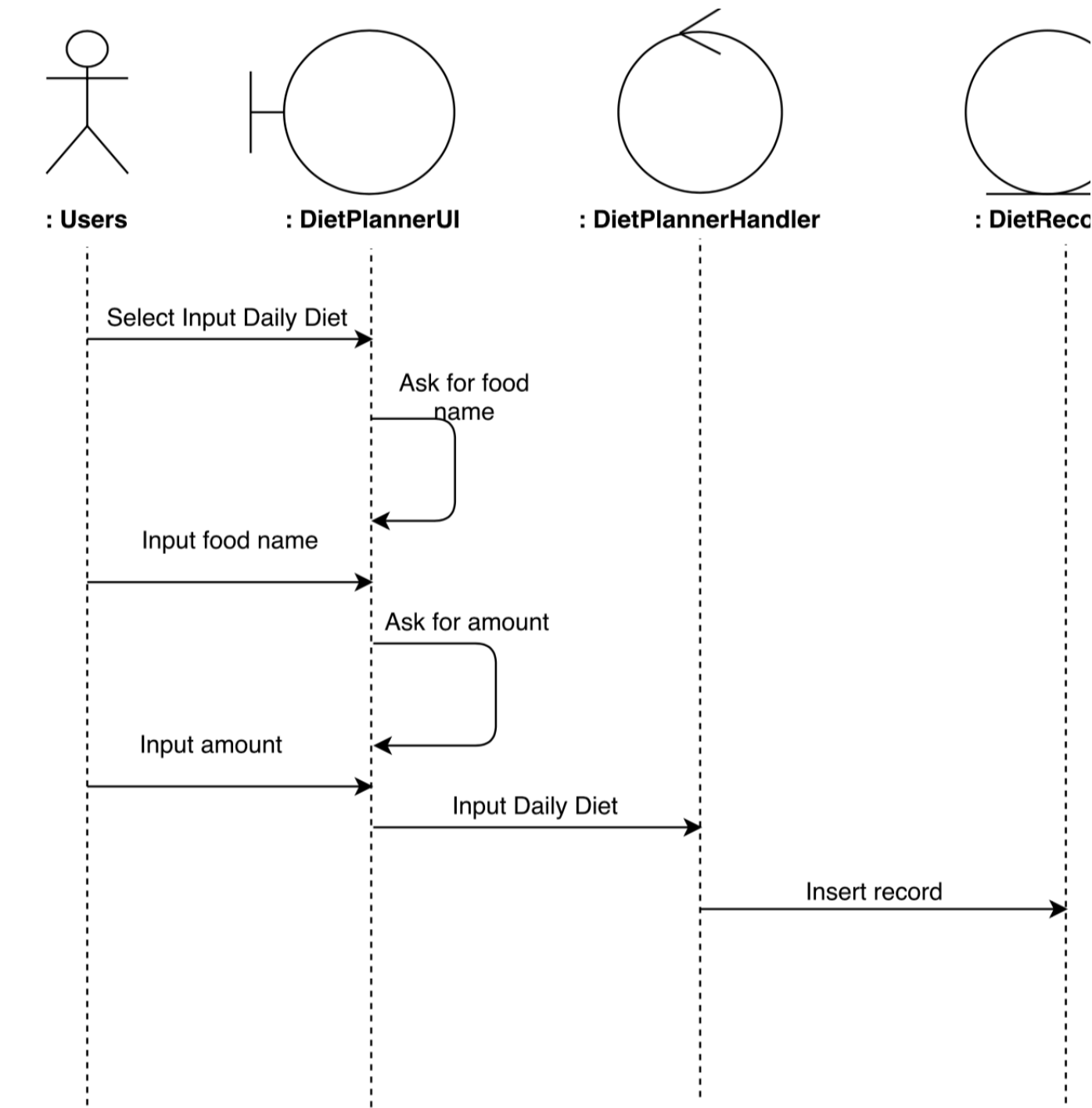
InitStageHandler



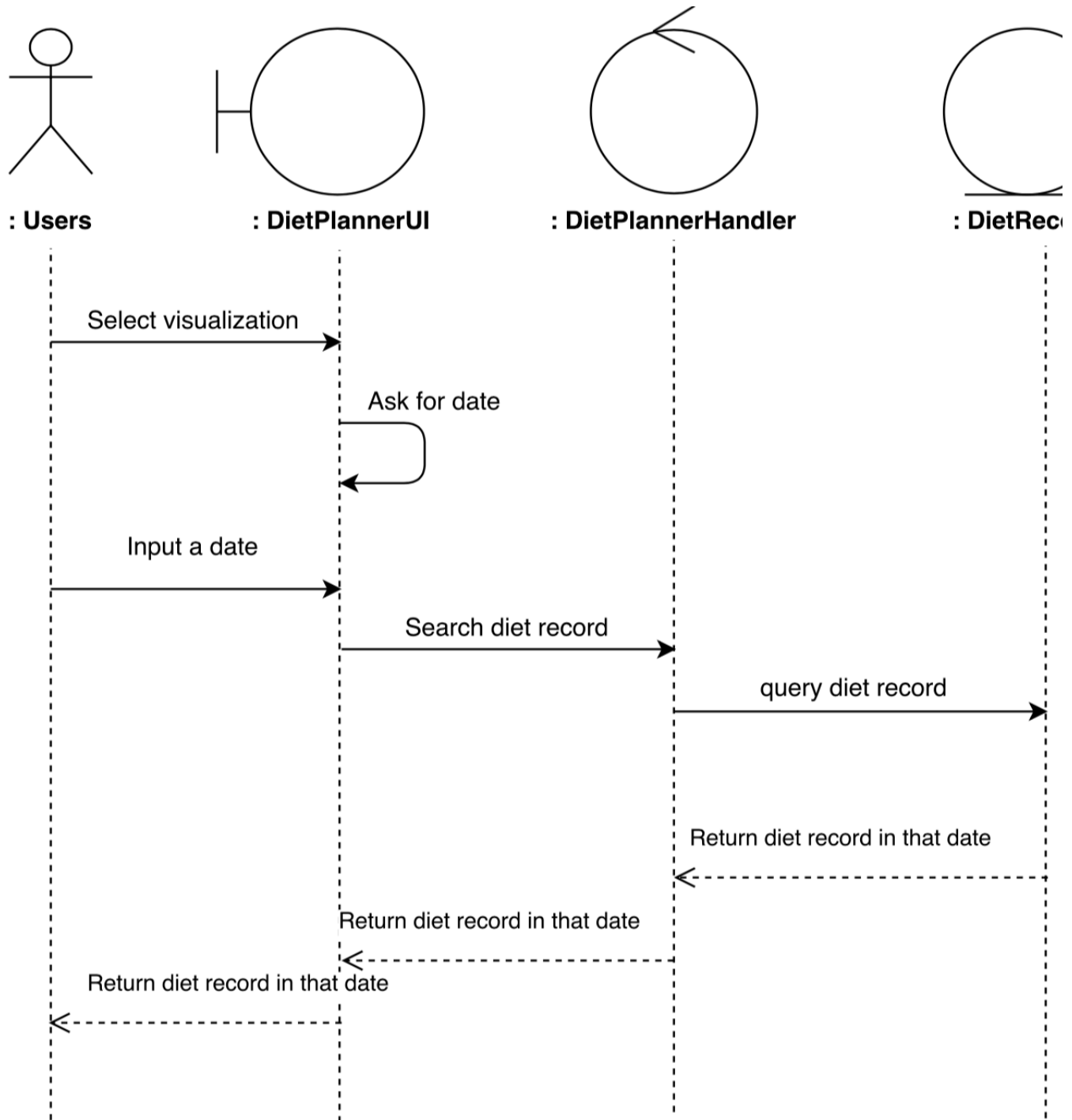
LivingHabitCollector:



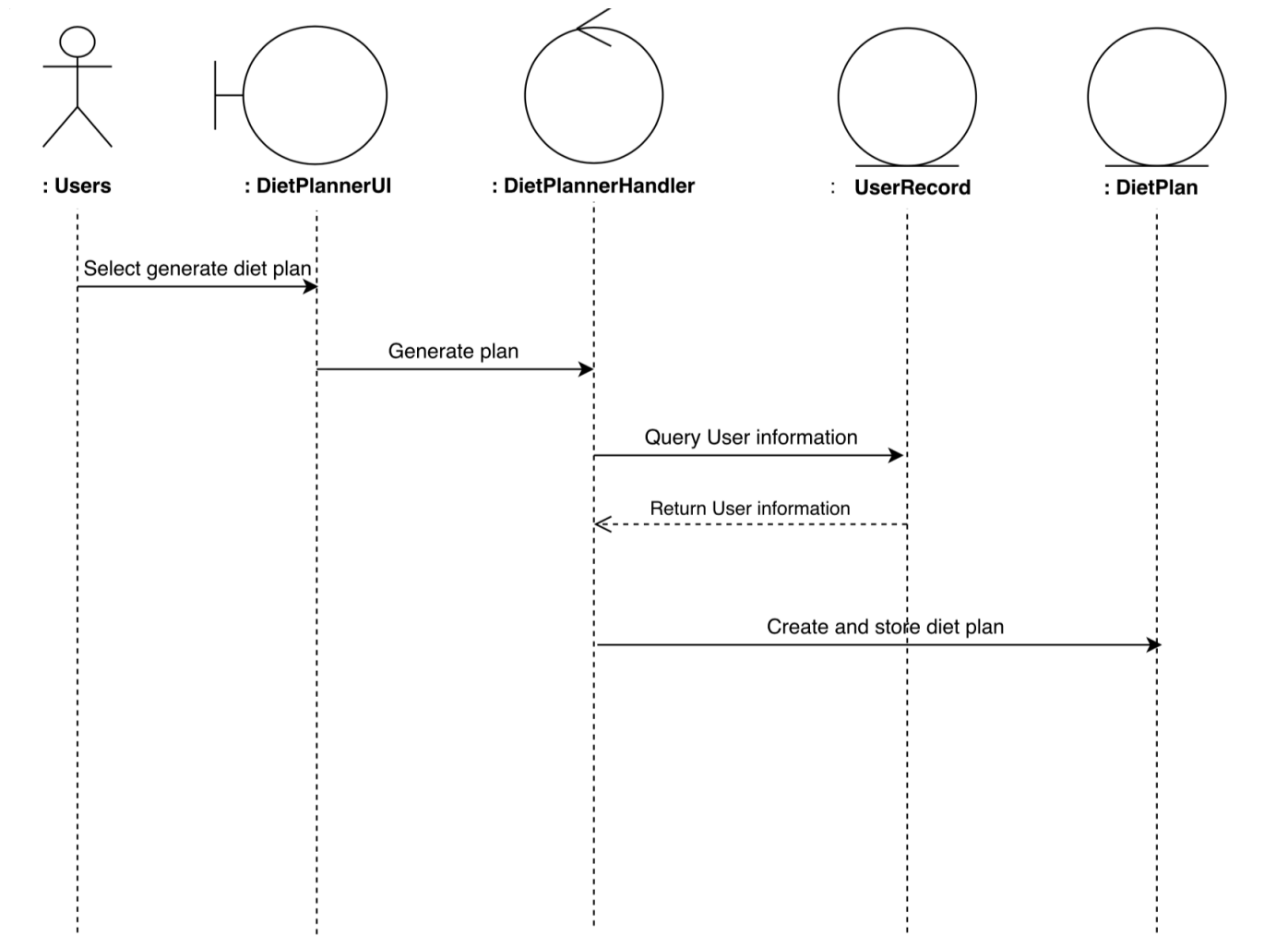
Diet Record:



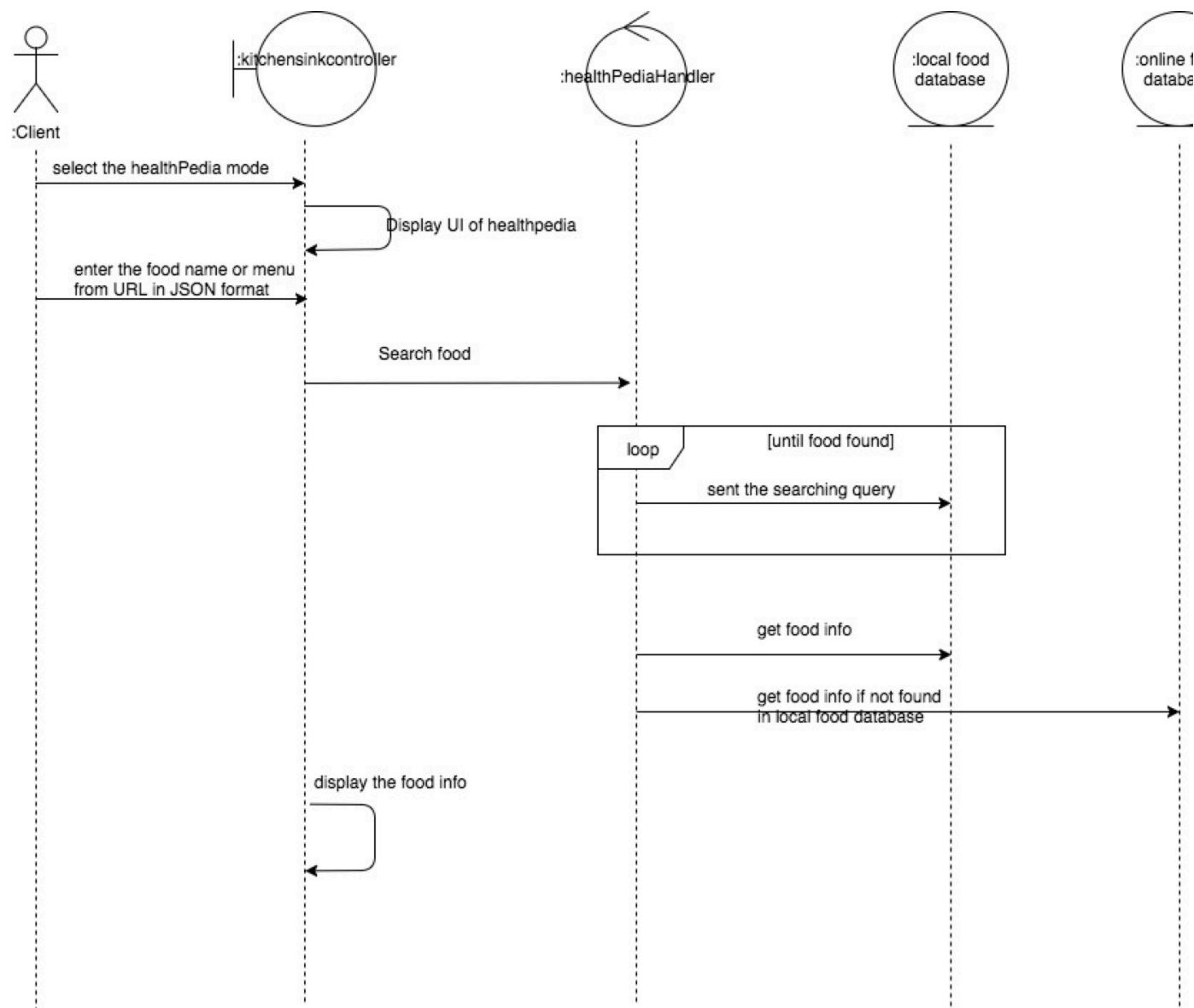
Visualization:



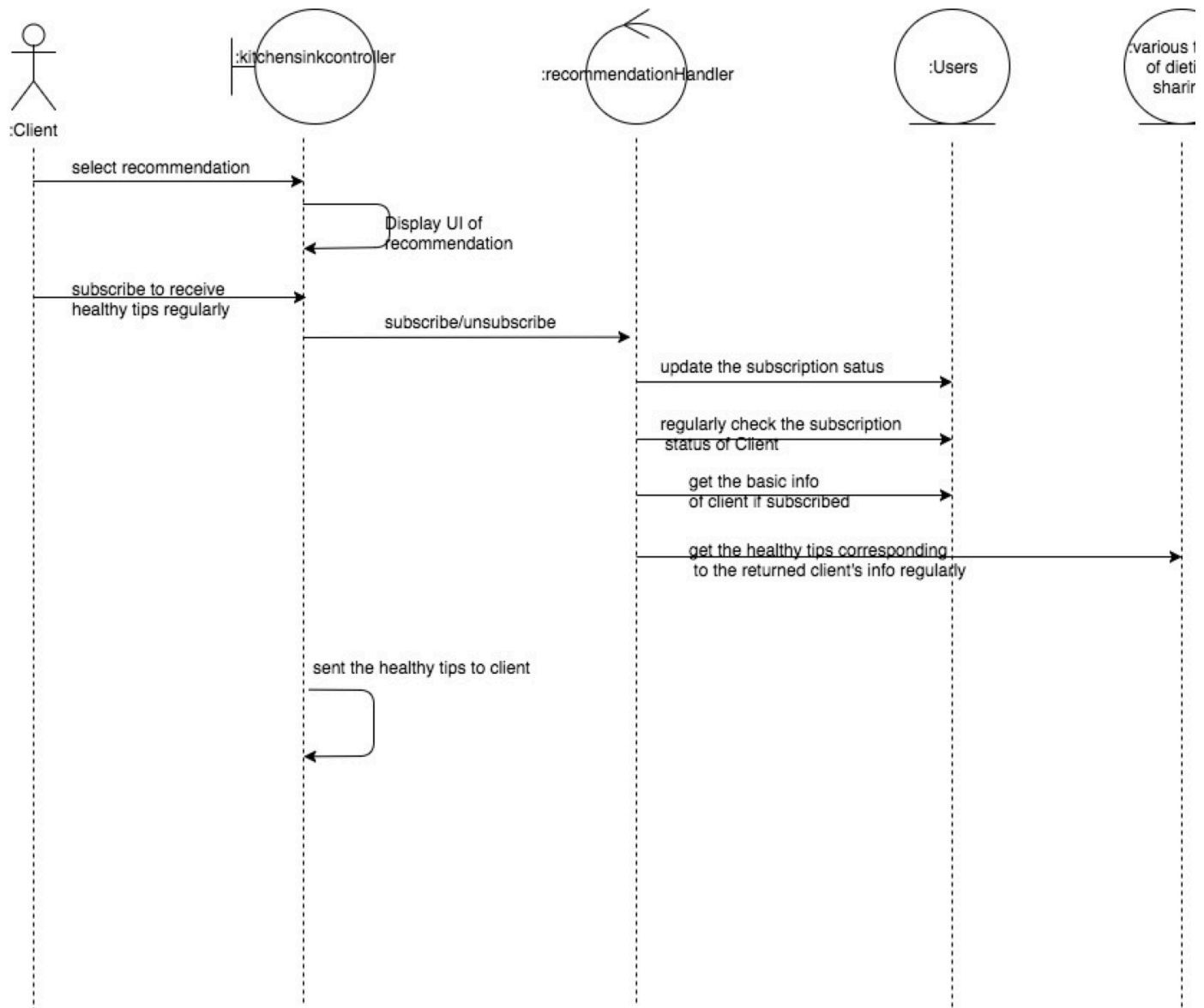
Generate Diet Plan:



Healthpedia:



Recommendation/ Feedback:



(5) Feature Table:

[illegible]

-Automatically calculate protein, fat and sugar of a food with database data, and record results in user's diet record.		You can choose "2 Visualize your diet consumption for a specific day" and type in the date you want to search for in order to review your diet facts.	When you choose "Visualize your diet consumption in a specific day", we will send back your diet record for specific date in a tidy format.	
Feature 3 – User's self-assessment -User can take the self-assessment questionnaire reflecting their living styles provided by our bot -Our bot will generate suitable suggestions based on their choices	Y	<u>Step 1.</u> Choose "6 Self Assessment" in main stage <u>Step 2.</u> Answer all questions following instructions	Our bot will generate suggestions based on your choices.	
Feature 4 – Provide personalized diet plan	N	For now, we just manually input the same diet plan for every new user to make our bot workable.	The database structure and class framework have been finished for this feature now.	
Feature 5 – Remind users to keep up with diet plan regularly	Y	<u>Step 1.</u> Choose "2.Diet Planner" after finishing "1.Living Habit Collector" in our main stage <u>Step 2.</u> Generate your diet plan first by choosing "3 Design My Diet Plan". (As stated in Feature 4, this plan is temporarily created manually) <u>Step 3.</u> Choose "Reminder" <u>Step 4.</u>	Our bot will pop up message if you successfully create your own diet plan after Step1. and Step.2 Our bot will calculate the difference between your current consumption of different nutrients (Protein, Fat, Sugar) and your diet plan per day. If today you have not yet reached the target, it will remind you the difference.	

		Current nutrient consumption will be updated as long as you use "Input daily diet" in Feature 2, so you can use Feature 2 to input new food and come back to see the difference	Otherwise, it will show you "Finish!".	
Feature 6 – Offer users comprehensive information of food/nutrients they search	Y	<u>Step 1.</u> Choose "3.Healthpedia" in our main stage. <u>Step 2.</u> Type any food you want to know about its information, such as "apple"	If the food is found, our bot will output its nutrient information per 100g in designated format If the food is NOT found, we will pop up a message and help user go back to main stage or search for another food.	
Feature 7 – Read menu from text	N		We will implement feature #7 and #8 later, which will also compute corresponding calories/... of the food into user's record.	
Feature 8 – Read menu from URL in JSON format	N			
Feature 9 – Data of extraordinary food can be added by users if it does not exist in our DB	N		We will have a self-built database collaborating with external database/online resources to provide comprehensive information about food. Input from user will be stored in our self-built database.	
Feature 10 – Be able to share some healthy tips every day	N			

Extra Remarks:

- 1. To make the working flow of our diet bot smoother and ensure most of extreme cases can be handled, our bot will always have "redirecting..." / "Type anything to continue...". In such cases, just follow the instruction and our bot will lead you to different stages.*