Online Cooking

Team2

408850302 彭湲涵　**/ 408850351** 徐雅玟

408850385 鄭明佐　**/ 408860087** 游雅捷

Index

● **Introduction**

動機：

　　由於近年新冠肺炎疫情爆發，為了減少面對面傳染的風險，許多國家多採用線上教學以及開會等方式進行活動，但經過觀察後，我們發現有關於料理的這部分的教學方式，多僅止於影片，且料理大部分屬於烹煮類型，較少飲料等類型，料理缺乏多元化。

Motivations:

The new coronavirus outbreak is continuing to grow. To decrease the risk of infection by face to face, several countries adopt online teaching and meeting to carry on the activity. However, after the observation, we found out that relating to cooking this part of the teaching style is mostly demonstrated by video clips. And most of the cuisines are classified as a cooking category. Only a few of them belong to drinking. Cooking lacks diversification.

目的：

　　為了降低傳染的風險，課程幾乎都被改成線上教學，但那些課程散亂又缺乏完整性，我們想要提供一個有多種料理教學影片，也有完整教育系統的平台。在過去的教學模式，如果那堂課有很多學生，學生就可能不能清楚地看到料理過程，但如果學生透過線上教學參加課程，就算有再多的學生，他們也能清楚的看到過程。

Objectives:

To decrease the risk of infection, lectures are almost modified to online teaching, but those courses are messy and short of integrity. We want to provide a platform that has various cooking teaching videos and also has a complete education system. In the past the teaching pattern, if the course has a lot of students, then students maybe can't watch cooking flow clearly, but if students attend courses through online teaching, even if there are more students, they can watch the flow more clearly.

功能：

1.若購買課程，即享有免費食材
2.開放討論區共同討論
3.提前預約上課日期
4.上課時能錄影，若不懂能重複觀看
5.依照能力或其他不同需求，可分成不同老師授課

Functions:

1. If you buy the course, you will have free ingredients of the cooking class.

2. Free discussion on cooking.

3. The date of the course can be reserved.

4. You can use screen recording to review again after the teacher finish teaching.

5. According to the ability or other requirements to choose the course you want.

利益：
1. 不會有群聚感染的風險
2. 上課內容能得更清楚
3. 上課時間較彈性
4. 不用到教室也能上課
5. 能自行下載教材或影片

Benefits:
1. Less risks of cluster infection
2. Allow to see the course more clearly
3. Able to learn course during leisure time, you can use your time flexibility
4. You can learn anywhere you want
5. Free downloaded online learning materials and video

● **Event table**

Item	Event name	Trigger	Source	Activity	Response	Destination
1	Register as a member	Register	Customers	Pop in personal information	Be a member -> success MSG	Customers
2	Login our website	Login	Members	Pop in login information	Result conformed	Members
3	Upgrade for our VIP	Upgrade	VIP members	Upgrade for our VIP	Result conformed	VIP members
4	Course/videos sorts	Classification	The courses/videos database	Course/videos sorts	courses/videos	VIP members/ Members/ Customers
5	Choose courses/videos	Choose	The courses/videos database	Choose courses/videos	courses/videos	VIP members/ Members/ Customers
6	Search courses/videos	Search	The courses/videos database	Search courses/videos	courses/videos	VIP members/ Members/ Customers
7	Browse teachers' qualifications	Browse	Teachers	Browse teachers' qualifications	teachers' qualifications	VIP members/ Members/ Customers
8	Buy the courses	I want to buy	Members/ VIP members	Buy what kinds of cooking/drinking you want to learn	System conformed	Members/ VIP members
9	Reserve the courses	Reserve	Members/ VIP members	Choose the date of the courses that you want	Result conformed	Members/ VIP members
10	Browse ingredients	Browse	The ingredients database	Information of ingredients	Information of ingredients	VIP members/ Members/ Customers

11	Browse the Calories	Browse	The Calories database	Information of Calories	Information of Calories	VIP members/ Members/ Customers
12	Buy the ingredients	I want to buy	Members/ VIP members	Buy the ingredients you need	System conformed	VIP members/ Members
13	Discussion	Say something	Members/ VIP members	Discussion	Result conformed	Members/ VIP members
14	Evaluate the courses/videos	Feedback	Members/ VIP members	Record some questions	Conformation of question receive	Database

- ## **Glossary**

Item	Key word	Explanation/Description	Reference
1	Personal information	Real name, nickname, ages(birthday), address, phone number, E-mail, ID number, account, password, learning purpose	Real name, nickname, ages(birthday), address, phone number, E-mail, ID number, account, password, learning purpose are necessary
2	Login information	Account, password, verified code, forgotten account or password, add into a member	
3	Customers	Not belong to our member, the right is limited, only can browse our website	
4	Members	Can watch videos to learn and can also buy the courses(the ingredients for free)	
5	VIP members	Can watch videos to learn and can also buy the courses that we will offer 50% discount(the ingredients for free)	
6	Courses	Have the teachers to teach and discuss online	
7	Videos	Watch the videos to learn and there are the ingredients and recipe under the videos	

8	Course/videos sorts	Classify the different kinds of course/videos, so customers/members/VIP members can faster to find what kinds of course/video they want	
9	Choose courses/videos	Customers/Members/VIP members can choose what courses/videos they want ; for example, top video, introduction of courses, etc.	
10	Search courses/videos	Enter key word or courses/videos name in search bar	
11	Teachers' qualifications	Where the teachers information, what kinds of cooking/drinking are the teachers good at	
12	Buy the courses	Choose what kind of cooking/drinking courses you want to learn	
13	Reserve the courses	Choose the date of the courses that Members/VIP members want	
14	Ingredients	The food you need when you cook	
15	Buy the ingredients	Choose or enter how many ingredients do you need	
16	Information of ingredients	Where the ingredients come, what the compositions of ingredients do	
17	Calories	A calorie is a unit of measurement — a calorie is a unit of energy	
18	Information of Calories	Customers/Members/VIP members can browse the calories that what many the ingredients have	
19	Discussion	Members can type, discuss and communicate	
20	Record some questions	After the courses/videos finish, we have a questionnaire. Members/VIP members need to answer the questions, for example, Do the courses help you? What do you think after the courses?	

● **Questionnaire Design**

Research on Online Cooking Learning Platform System 線上烹飪教學系統研究

這是一份探討線上任課程消費者購買因素的研究問卷。由於近年新冠肺炎疫情爆發，為了減少面對面傳染的風險，許多國家多採用線上教學以及開會等方式進行活動，但經過觀察後，我們發現有關於料理的這部分的教學方式，多僅止於影片，且料理缺乏多元化，像是大部分料理屬於烹煮類型，飲料等類型則為數之小。基於上述原因我們想藉由您提供的寶貴意見, 來製作一個更親近使用者並有趣的烹飪平台。

本問卷不記名，答案無對錯，內容僅供學術參考，絕不對 外公開，敬請放心填答，在此先衷心地感謝您的支持與協助。

繼續

Research on Online Cooking Learning Platform System 線上烹飪教學系統研究

*必填

Part I: Respondents Information

第一部分：下廚習慣調查(以下皆為單選題)

1. 請問根據最近五年,您是否有下廚的習慣呢？ *

○ 有下廚習慣

○ 無, 吃外食

○ 有時外食, 有時自己煮

2.平均每周下廚頻率 *

○ 無

○ 1天

○ 2-3天

○ 4-5天

○ 6-7天

Online cooking

3. 請問您是否對線上烹飪教學平台感興趣？ *

○ 是

○ 否

○ 可能

4. 您願意消費多少金額來購買一堂兩小時的線上烹飪課程？ *

○ 1000以下

○ 1001~2500元

○ 2501-5000元

○ 5001-7500元

○ 7501以上

○ 其他：

5. 您是否購買過線上烹飪課程? *

○ 有

○ 無

返回   繼續

Research on Online Cooking Learning Platform System 線上烹飪教學系統研究

*必填

Part I: Respondents Information （I）

對先前課程的調查滿意度

6. 您對先前購買經驗是否滿意 *

◯ 是

◯ 否

返回　　　繼續

Online cooking

調查滿意與不滿意之前購買課程的原因
若滿意請回答7.1題，不滿意請回答7.2題

7.1 滿意的原因為何? *

☐ 價格合理

☐ 課程有趣且創新

☐ 有達到上課目的且成效好

☐ 食材配送

☐ 其他 :

7.2 不滿意的原因為何? *

☐ 課程價格太高

☐ 沒有想學的料理

☐ 無法與老師交流 成效太差

☐ 食材須自行購買

☐ 其他 :

返回　　繼續

Online cooking

Part II: Motivations of Cooking

第二部分: 烹飪動機

8. 對於下列基於研究認為學習烹飪能帶來的正向幫助，您的同意程度： *

	非常不同意	稍微不同意	不同意	普通	同意	有點同意	非常同意
1. 減輕工作壓力	○	○	○	○	○	○	○
2. 擺脫單調的生活	○	○	○	○	○	○	○
3. 增加創造力	○	○	○	○	○	○	○
4. 訓練專注力	○	○	○	○	○	○	○
5. 調節情緒	○	○	○	○	○	○	○
6. 提升自尊心	○	○	○	○	○	○	○
7. 規劃出適合自己的飲食方式, 擁有健康的體態、	○	○	○	○	○	○	○

9. 你有什麼想補充的下廚過程對您的正向幫助嗎？ *

您的回答

返回   繼續

11

Online cooking

Research on Online Cooking Learning Platform System 線上烹飪教學系統研究

*必填

Part III: Product Functionality Research

第三部分: 平台服務調查

10. 請問下列線上教學平台提供的使用特色，何者對您較有吸引力? *

☐ 材料包的代購及配送到府

☐ 在家就能自己製作五星級料理

☐ 廣大的食譜資源

☐ 配合節慶的創意料理

☐ 配合營養學學習料理課程

☐ 沒有期限、不限觀看次數

☐ 完成課程還有完課證明

☐ 其他：

11. 您認為線上烹飪教學平台可以具備什麼功能是我們沒提到的？ *

您的回答

Online cooking

12. 你覺得比起實體課程, 線上烹飪課程有什麼優勢？(至少2個選項）*

☐ 有個人化的彈性課表, 能配合自己的步調

☐ 比較便宜

☐ 不用人擠人, 可以有私人空間

☐ 不用親自驅車或搭乘運輸工具, 就能給遠地的有名廚師授課

☐ 選擇較多, 比較容易找到符合期待的課程

☐ 能及時獲取開課資訊

☐ 有第三方保證, 購買課程更安心

☐ 其他：_____

[返回] [繼續]

Part IV: Perception of Value

第四部份：認知價值

13. 比起自己利用線上資源學做菜你更願意訂購教學平台的課是基於何者原因？(至少選2個選項）*

☐ 不會浪費時間

☐ 師資專業度較有保障

☐ 需要完善的課程規劃

☐ 能成為名師的徒弟

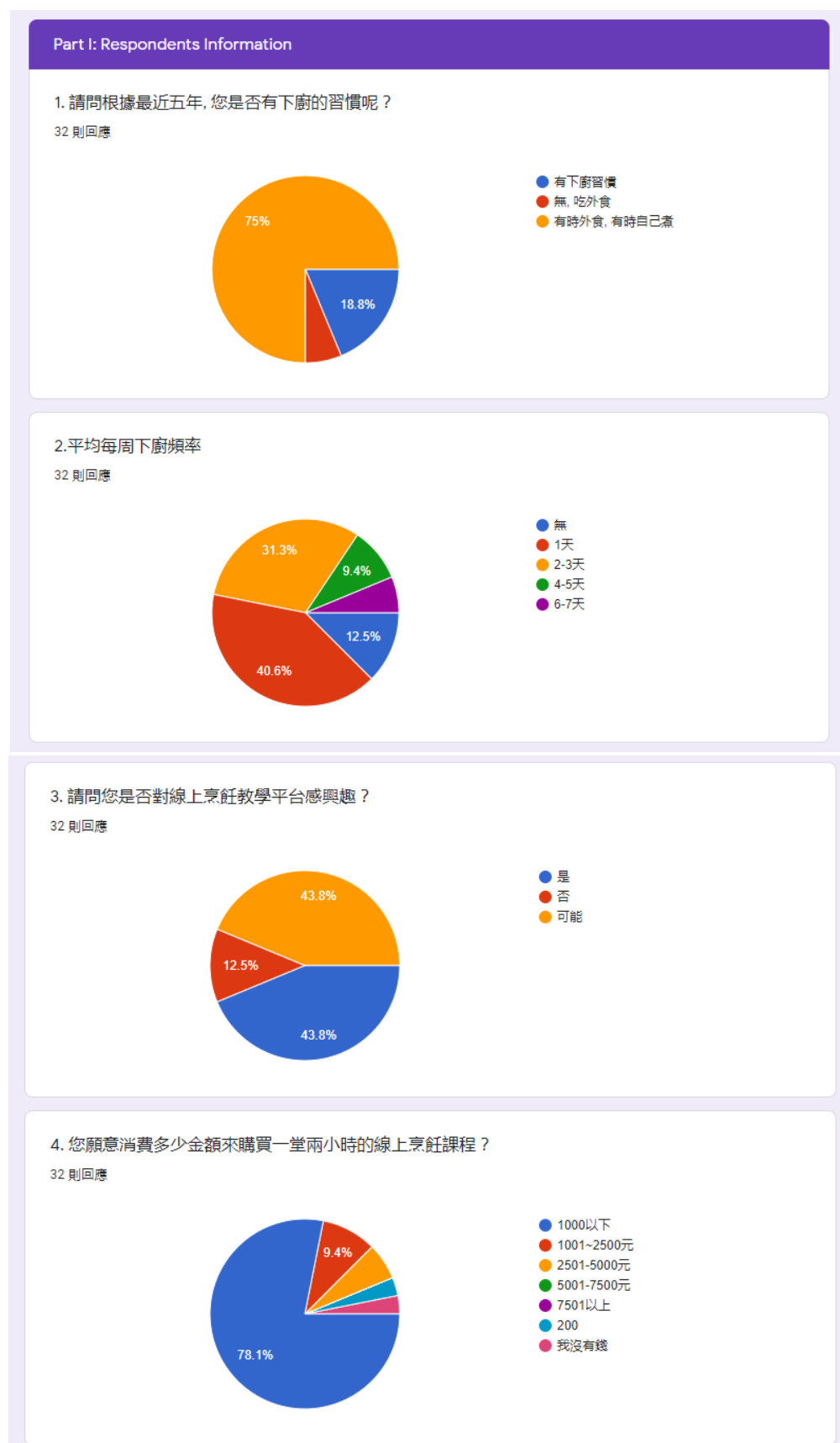☐ 方便複習

☐ 不會分心

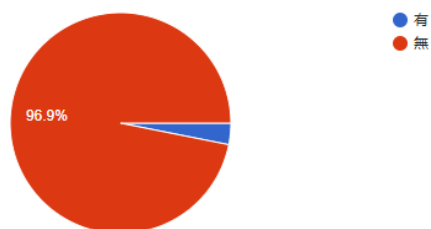☐ 其他：_____

Email
如果你對此感興趣, 請與我們聯絡, 並提供聯絡資訊

您的回答

[返回] [提交]
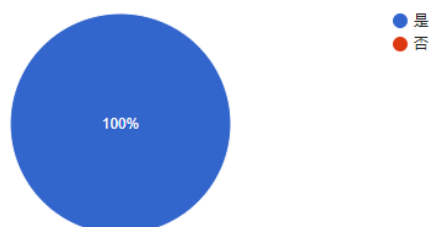
請勿利用 Google 表單送出密碼。

13

● **Results of Questionnaire**

Part I: Respondents Information

1. 請問根據最近五年, 您是否有下廚的習慣呢？
32 則回應

- 有下廚習慣
- 無, 吃外食
- 有時外食, 有時自己煮

75%
18.8%

2.平均每周下廚頻率
32 則回應

- 無
- 1天
- 2-3天
- 4-5天
- 6-7天

31.3%
9.4%
12.5%
40.6%

3. 請問您是否對線上烹飪教學平台感興趣？
32 則回應

- 是
- 否
- 可能

43.8%
12.5%
43.8%

4. 您願意消費多少金額來購買一堂兩小時的線上烹飪課程？
32 則回應

- 1000以下
- 1001~2500元
- 2501-5000元
- 5001-7500元
- 7501以上
- 200
- 我沒有錢

9.4%
78.1%

5. 您是否購買過線上烹飪課程?

32 則回應

- 有
- 無

96.9%

Part I: Respondents Information (Ⅰ)

6. 您對先前購買經驗是否滿意

1 則回應

- 是
- 否

100%

Part I: Respondents Information (Ⅱ)

7.1 滿意的原因為何?

1 則回應

價格合理	0 (0%)
課程有趣且創新	1 (100%)
有達到上課目的且成效好	0 (0%)
食材配送	0 (0%)

7.2 不滿意的原因為何?

1 則回應

課程價格太高	1 (100%)
沒有想學的料理	0 (0%)
無法與老師交流 成效太差	1 (100%)
食材須自行購買	1 (100%)

15

Online cooking
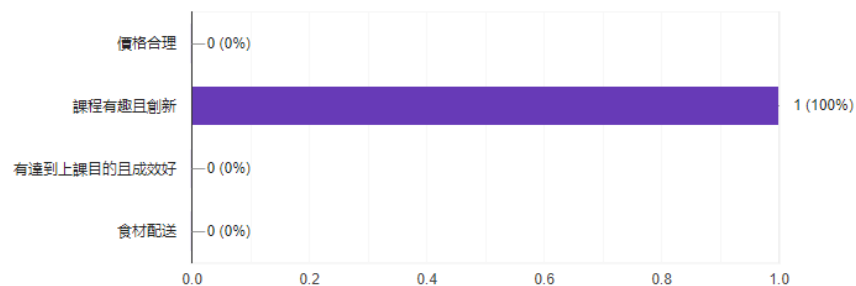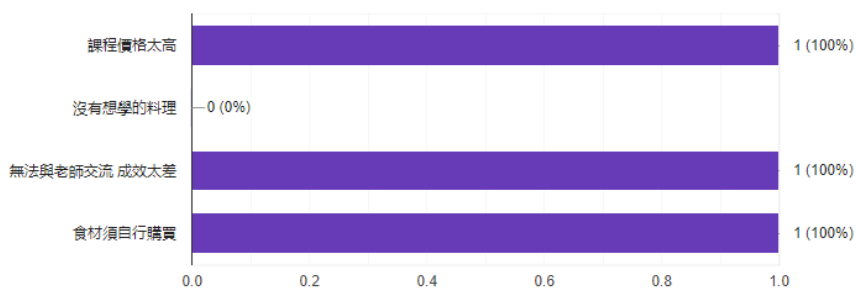
Part II: Motivations of Cooking

8. 對於下列基於研究認為學習烹飪能帶來的正向幫助，您的同意程度：

圖例：非常不同意、稍微不同意、不同意、普通、同意、有點同意、非常同意

1. 減輕工作壓力　2. 擺脫單調的生活　3. 增加創造力
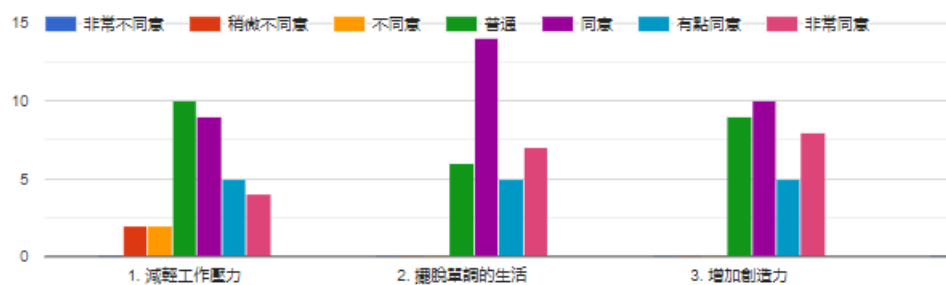
9. 你有什麼想補充的下廚過程對您的正向幫助嗎？

32 則回應

無

有成就感

沒有

吃得比較健康

試出自己喜歡的味道時會感到格外高興

有

No

真的很紓壓

相比於外食比較健康，自己買材料比較便宜

Online cooking

10. 請問下列線上教學平台提供的使用特色，何者對您較有吸引力？

32 則回應

項目	數值
材料包的代購及配送到府	19 (59.4%)
在家就能自己製作五星級料理	17 (53.1%)
廣大的食譜資源	19 (59.4%)
配合節慶的創意料理	9 (28.1%)
配合營養學學習料理課程	16 (50%)
沒有期限、不限觀看次數	25 (78.1%)
完成課程還有完課證明	4 (12.5%)

11. 您認為線上烹飪教學平台可以具備什麼功能是我們沒提到的？

32 則回應

17

Online cooking

12. 你覺得比起實體課程, 線上烹飪課程有什麼優勢？(至少2個選項)

32 則回應

選項	人數
有個人化的彈性課表, 能配合自...	25 (78.1%)
比較便宜	8 (25%)
不用人擠人, 可以有私人空間	27 (84.4%)
不用親自駕車或搭飛運輸工具....	21 (65.6%)
選擇較多, 比較容易找到符合期...	12 (37.5%)
能及時獲取開課資訊	4 (12.5%)
有第三方保證, 購買課程更安心	1 (3.1%)
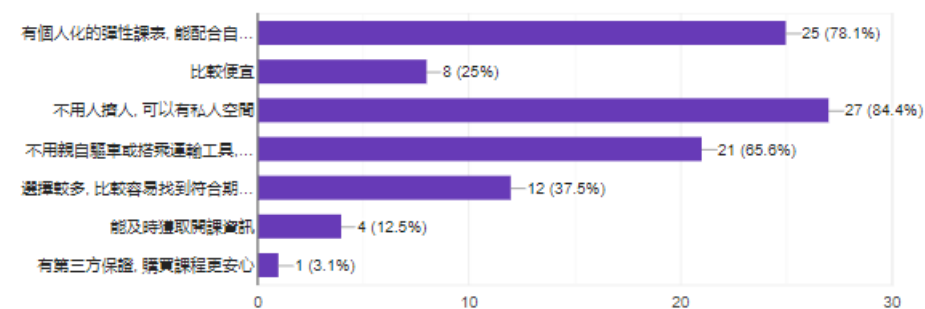
Part IV: Perception of Value

13. 比起自己利用線上資源學做菜你更願意訂購教學平台的課是基於何者原因？(至少選2個選項)

32 則回應

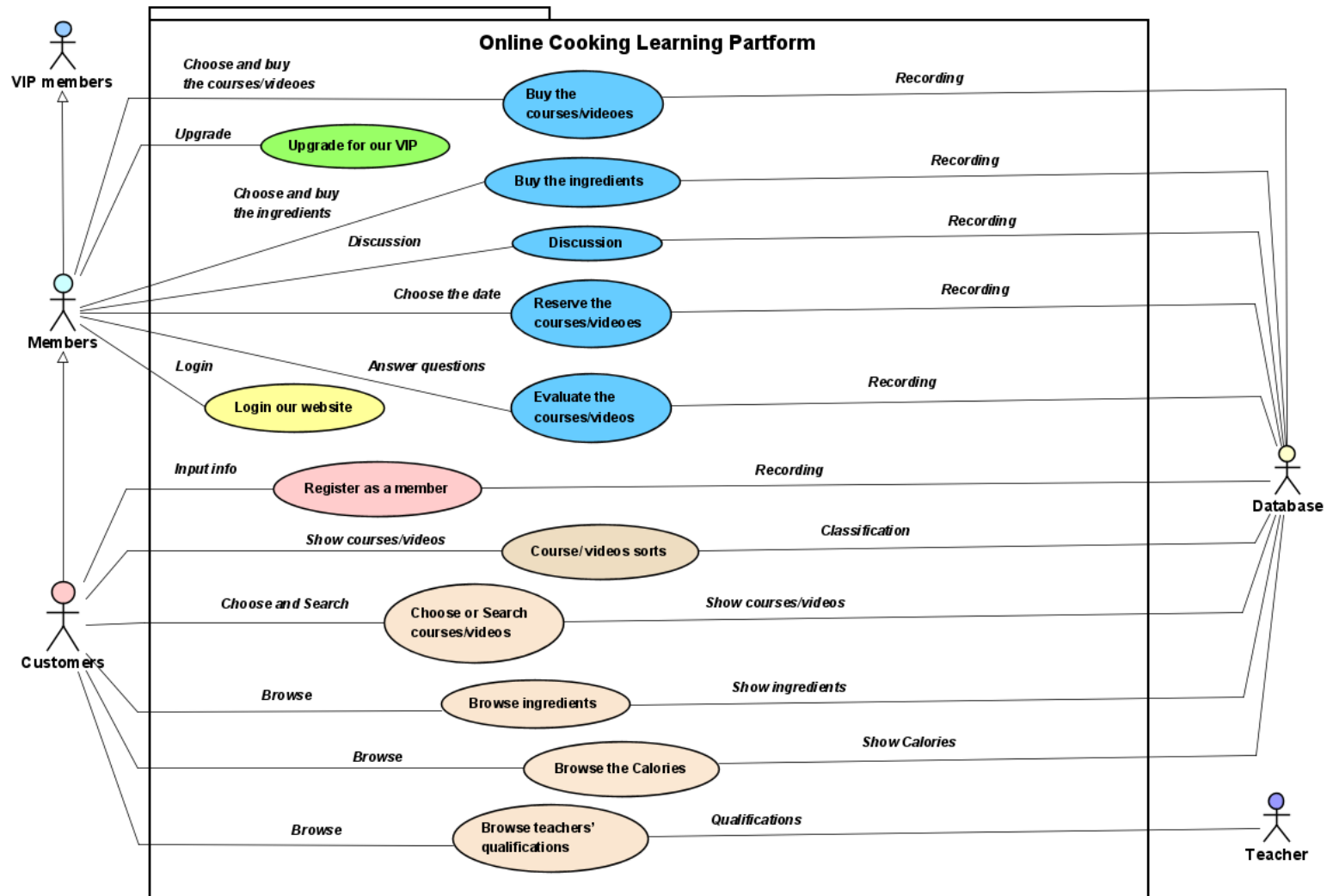| 選項	人數
不會浪費時間	24 (75%)
師資專業度較有保障	7 (21.9%)
需要完善的課程規劃	14 (43.8%)
能成為名師的徒弟	1 (3.1%)
方便複習	24 (75%)
不會分心	4 (12.5%)
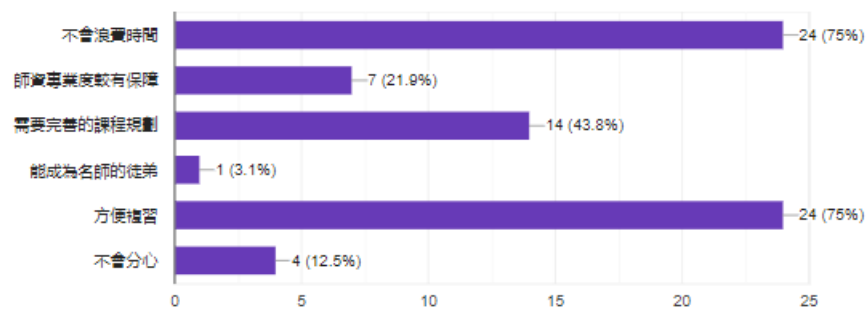
Email

0 則回應

目前還沒有人回應這個問題。

18

● **Use Case Diagram**

● **Reflection**

408850302 彭湲涵

For the design of this online cooking course platform, if we want to design an operation mode that makes people feel novel and like it, in fact, it must take a lot of time.

In addition to the basic functions like course purchase, course browsing, course comment and discussion, our members think the course platform can add material ordering function and recipes resource share area to increase additional value of our platform. Through the questionnaire we collected, we got some advice on function, like some people say that they want to learn simple cooking. I think we can use a fixed rating standard to arrange the difficulty level then presented to the visitors. Then some questionnaire respondents are curious about the calories of the dishes. I think we can also analyze the calories of the dishes and present them, or use the amount of calories to make search label classification.

408850351 徐雅玟

I think this project is more biased towards the thinking of the marketing industry. It is necessary to think about the needs of consumers in advance, and we also explain the motivation in the introduction. In response to the impact of the new crown epidemic, there are fewer opportunities for people to meet, and we just look at it. There is a huge demand for online courses, and from this, I hope to develop a more complete and more diversified online course system.

First of all, we started to think in the link of Event Table and Glossary, in this system, what functions are needed by consumers. After comparing with the old online courses, we found that most of the functions of the old online courses can only hear the instructor's voice and screen sharing. Therefore, we have added the function of the student (consumer) discussion area, so students can discuss with each other when they encounter difficulties. In addition, in order to meet the needs of consumers, we have also added the function "Evaluate the courses/videos" after class to improve the lack of the system.

Secondary, after predicting the function, we converted the function we expected into a questionnaire to see if anyone was interested in our system, and at the same time in the questionnaire, we asked whether the function of my system was attractive. After the questionnaire results, we found that most people now emphasize health, so we added the "Browse the Calories" function to the original Event Table and Glossary. After that, we also added the "Course/videos sorts" function, so that consumers can find courses.

Finally, we turn our system into a "Use Case Diagram", and I think this part is the most difficult and time-consuming, because we have not drawn this kind of system analysis diagram, and this is what I think is the most difficult part of this project. The important place is the focus of our learning in the classroom.

This project was born from scratch, and I feel it is amazing, and the process is not smooth, but under the guidance of the teacher and the division of labor of the team, I am gradually familiar with this kind of thinking system. Thinking about how to attract consumers more, I also slowly think about what the future generations need. This project is very interesting. I hope that there will be more opportunities to try in the future.

408850385 鄭明佐

I think it's difficult to come up with something that no one else has done. If you have an abundant life or participate in many activities, it will be easier.
Our online cooking course platform should be practical because everyone can try cooking at home during the epidemic.

Questionnaires were not as simple as I imagined, I often have negligence when thinking about the problem.

After the experience, I know discuss with the team members after thinking is the fastest way to solve the problem but it was quite interesting to get other people's opinions. I learned from the questionnaire that it is very important to complete things step by step. If people miss what did not do or did not do well, the result will be bad.

I hope I can choose more similar courses to learn more knowledge.

408860087 游雅捷

After finishing almost all the course, I finally know that studying the Department of Computer Science and Information Engineering course is too difficult for me. Not because of the English-taught program but the bits of knowledge the professor taught during the class. I am the only one who is from the other departments. However, the professor takes care of me a lot. She asked me did I choose the wrong course at the beginning of the semester. I said no, for I want to learn more from other departments. And during the class, she will come and asked me that do I have any problem with the course.

After few classes, I learn many things. Since it is a compulsory subject for other classmates, tons of classwork and homework were required. It is worth studying this course although it is a tremendous challenge to me. After finishing the final project, I benefit a great deal from it. We learn to operate an Online Cooking Learning Platform

System by ourselves. Our teammates cooperate to make the event table and glossary from scratch. This is a domain that I never tried before. It challenges me a lot. The questionnaire I have done many times in other courses so I have some experience of it. Nevertheless, we have few problems with the questionnaire and the professor helped us to solve them again and again. I also learn to draw the use case diagram by myself.