

天主教輔仁大學英國語文學系學士班畢業成果
ENGLISH DEPARTMENT, FU JEN CATHOLIC UNIVERSITY
GRADUATION PROJECT 2017

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Cloud-Based EMR



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Cloud-based EMR

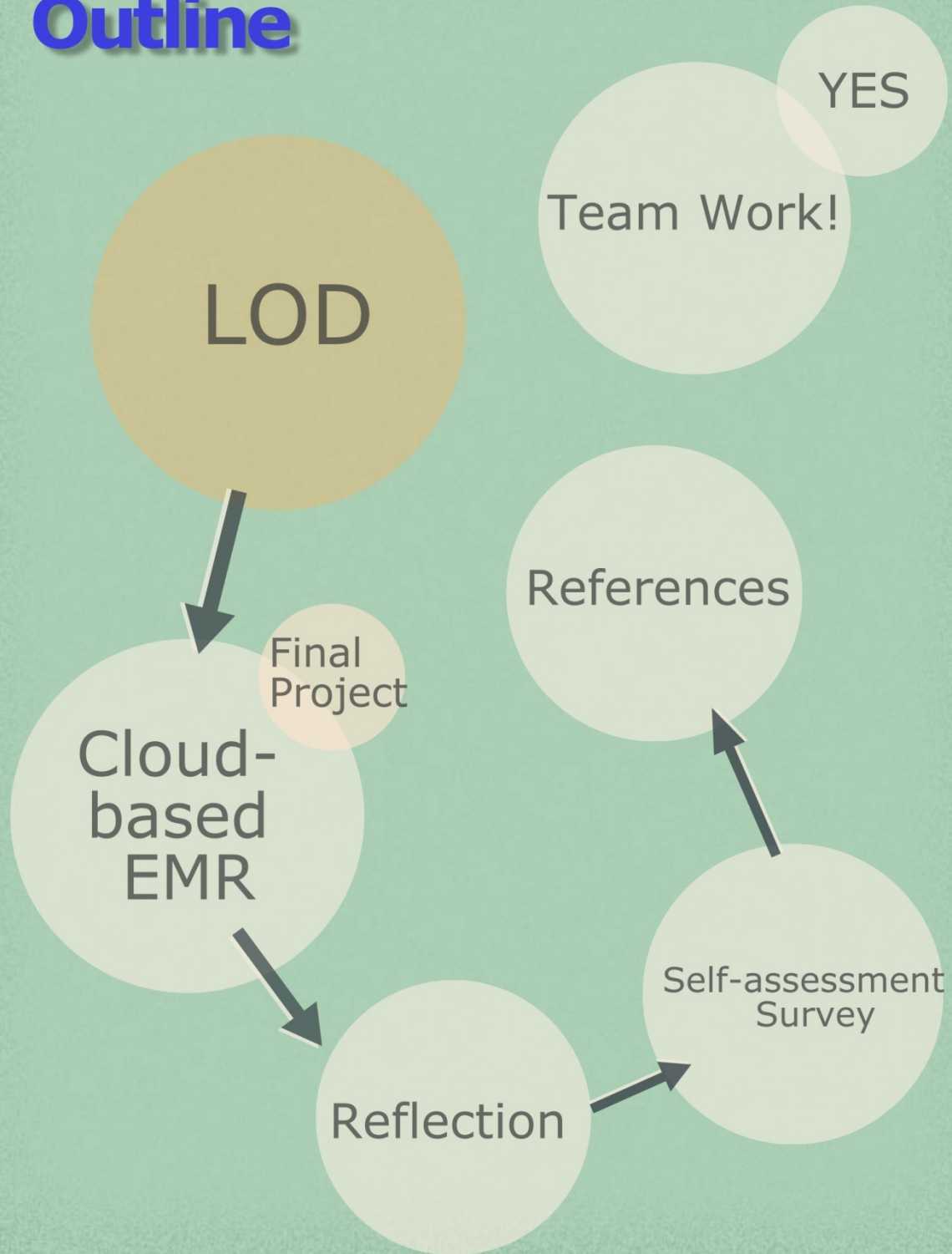


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Junior

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Outline

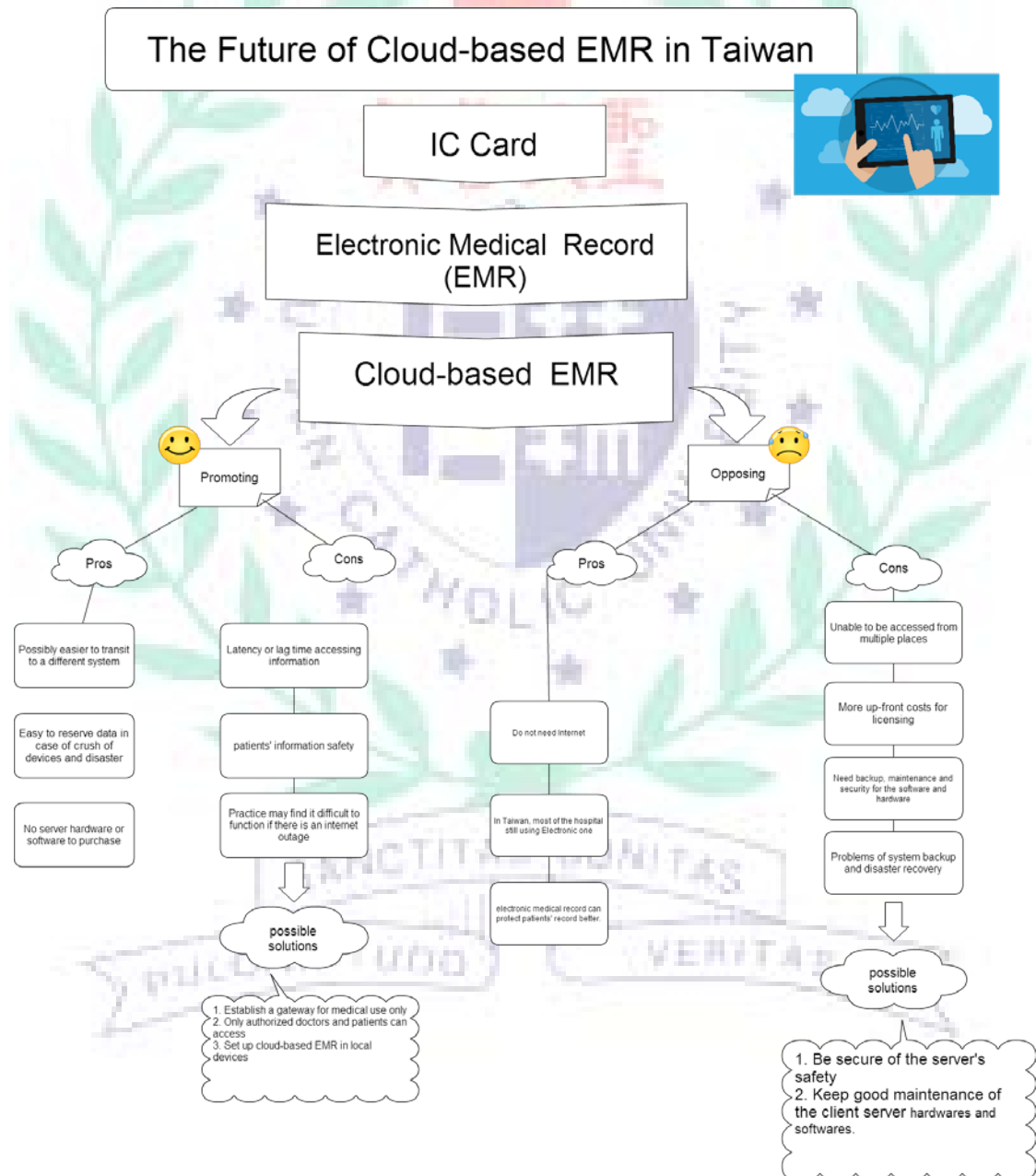


Final Project

Topic: Cloud-based EMR

In the final project, I mostly take the role of leading the members. I provide the main direction of the research, whereas the others provide more detailed ideas.

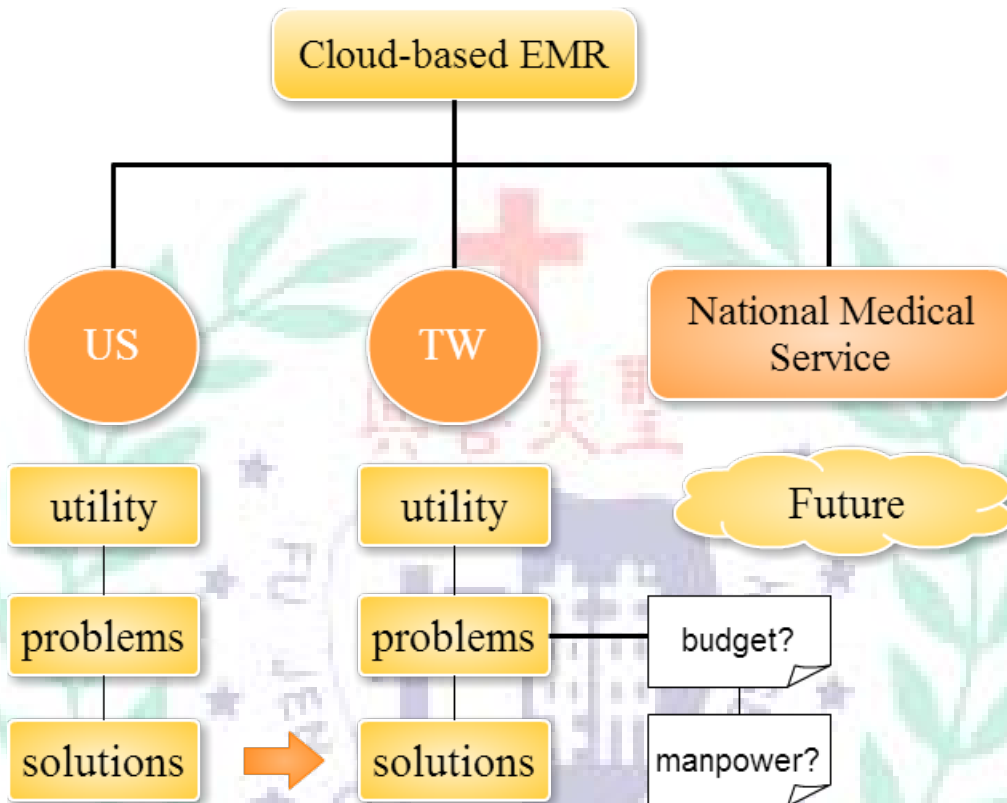
Our final project is divided into the following parts at the first stage as the diagram shows below.



(Diagram by all team members)

In this stage, I am responsible for the solutions to Taiwan cloud-based EMR's problems.

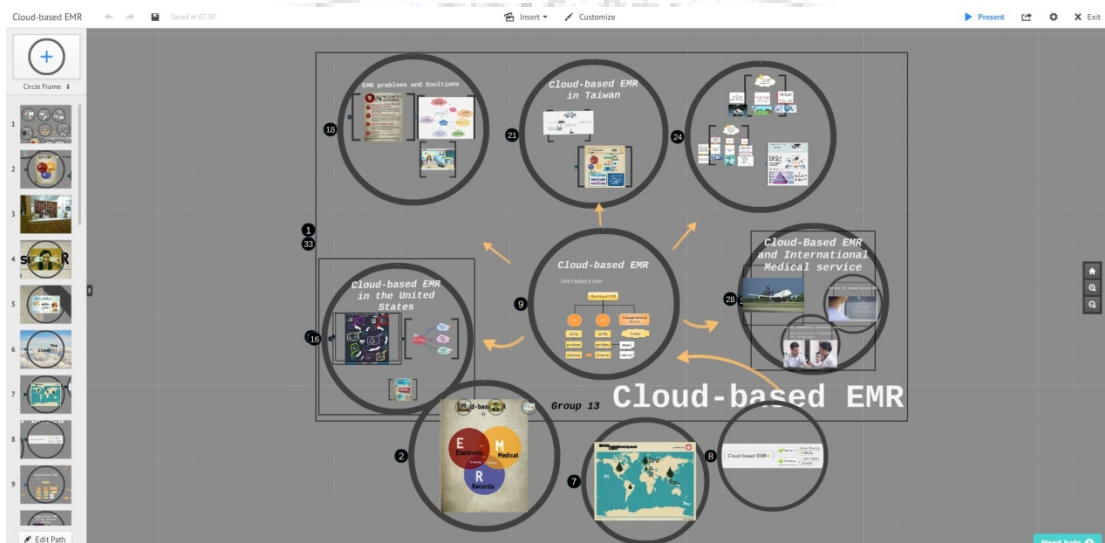
In the middle of our research, we encounter the problem that we do not have enough resources to support our hypothesis. Thus, we change our project direction as below.



(Diagram by me)

In this stage, I am responsible for the connection of cloud-based EMR and the development of international medical service.

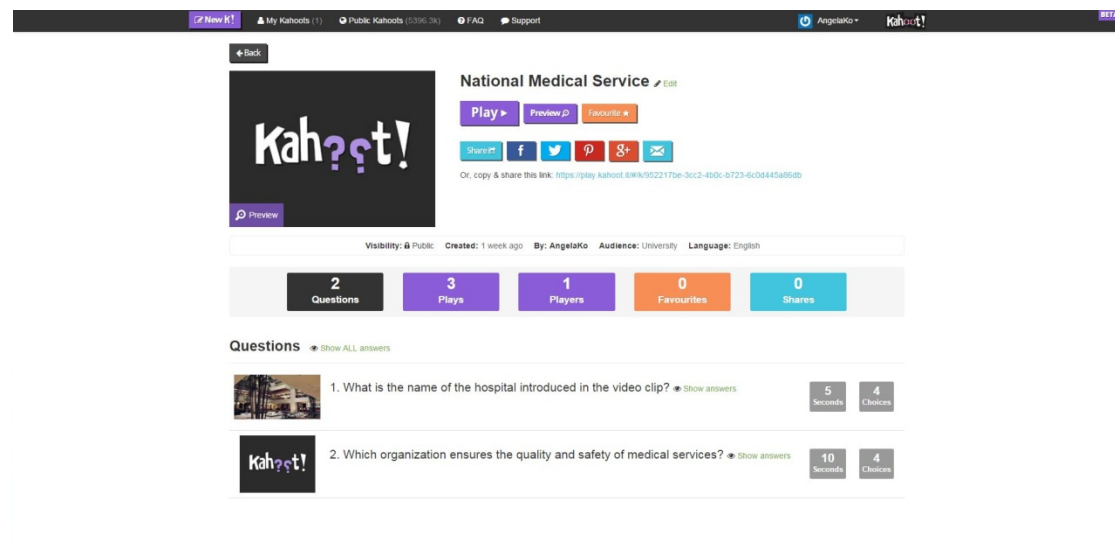
For the demonstration of the project at the end of the semester, we used Prezi as our visual aid.



(Prezi by all team members)

http://prezi.com/0qrwpwjshvvn/?utm_campaign=share&utm_medium=copy

To be interactive with our audience, we prepared a quiz by using Kahoot.



(Kahoot by me)

<https://play.kahoot.it/#/k/952217be-3cc2-4b0c-b723-6c0d445a86db>



Reflection

Week	Reflection	Final Project Progress
Week 1	After listening to the introduction of this course, I felt exciting about all the new things that I will learn in this course. I felt the rapid pace of the course and feel a little bit nervous, but I think I can survive.	
Week 2	This week we learnt about how to improve our power point slides. Since our objective was to eliminate half of the pages of power point, I actually thought of lots of different ways to avoid having too many pages without deleting anything. However, I think to replace words with images can draw people's attention in presentation.	
Week 3	I used to wonder how those attracting posters, containing both beautiful design and clear information are made. After learning Easel.ly, I discovered that there is a certain tool for making the posters. I am looking forward to make one on my own.	
Week 4	I find Easel.ly very easy to handle. It does not only require little amount of time to learn but also very user friendly. However, its disadvantage is that the themes it provides are not that good looking and needs more design.	
Week 5	I think the technique Flipped classroom uses such as hands on learning and Internet-based LMS really helps stimulate students'	

	<p>interest in learning. When students can put vague theories into practice, it is faster for them to learn. As for myself, I notice that I could almost learn how to operate a machine, cellphone or camera just by exploring the functions by myself without reading the instructions.</p>	
Week 6	<p>For me, Moodle is really user unfriendly. I know it is mainly because that I am not familiar with Moodle, but there are disadvantages that I want to point out. The uploading system is much more complicated than iCan, and keeps buffering for a long period of time after uploading materials. I'll keep on exploring Moodle until I find its advantage.</p>	
Week 7	<p>Today I leaned how to use the software Xmind. In elementary, I have learnt to use Freemind and thought it really easy. Xmind is also easy to learn, and the graphic is more beautiful than Freemind. On one hand Xmind is quite good looking when presenting a project, but on the other I wouldn't use it for my own brainstorming, since I would probably have already done on the paper.</p>	
Week 8	<p>The software introduced today are quite interesting, especially the game MS2. The game itself isn't very fascinating, but the report group created a peaceful atmosphere. It's amazing to see everyone in class singing a Chinese</p>	

	<p>song during a presentation (though I don't know the song). On the other hand, the software Audacity is very useful, It looks like a simplified version of SONAR.</p>	
<p>Week 9</p>	<p>Computer games represent my childhood and violent games are certainly my favorite. Since I was about five years old, I enjoyed watching my father playing the game The Age of Empires and even played with it myself. The game requires strategy of collecting resources, constructing buildings and distributing military unites from the medieval ages. Recently I am fascinated by a violent game called Assassin's Creed. The player plays as a role in the first person point of view and interacts with different things and characters with background set in Italy Renaissance, French Liberation and so on. What I love most about the game is the flexibility. Most objects and people are interactive in the game. While some players follow the rules set up by the game, I think of creative ways to entertain myself. Thus, I always think that playing games cultivates one's creativity and thinking ability.</p>	
<p>Week 10</p>	<p>This week we try to figure out what we want to do for the final project. Since our instructor BC advices us to investigate on cloud based technique in terms of Medical use, we come up with the idea of</p>	

	<p>discussing the usage of cloud-based electronic medical record (EMR). In Taiwan, electronic medical record has been put into clinical use for decades. However, contrast to European countries and the United States, “cloud-based” EMR is rarely used in Taiwan. Our group would like to find out the reasons or difficulties that cause the lack of utilization of cloud-based EMR in Taiwan and try to think of ways of solution.</p>	
<p>Week 11</p>	<p>Our group once again experienced the existence of Murphy’s Law. Though we have been preparing for a long time, the software crashes the ten thousandth time. It was about three years ago that I first know “Orange light” and I was astonished by the different possibilities of the game plots that I could have created utilizing the software. The first time I created a game by it was in freshman year, with cooperation of my team mate Luisa. Our project of creative response of Frankenstein turned out to be really outstanding for we created different choices for the players to make that would lead to different outcomes of the story. Since there are so many interesting functions of the software, our classmates are very likely to be confused. If only they can practice using it at the same time, they will understand it better. However, Murphy’s Law is never to be</p>	

	underestimated in TAIP class.	
Week 12	<p>I feel like listening to our classmates' RR proposal for today's presentations since the topics differs from exercising and 3D printing, to environment pollution and education. The group talking about Starbucks makes me recall the recent reports about Starbucks. Starbucks decides that they are changing the cups of their coffee in red, but they are not tagging words such as "Marry Christmas" on the cups as usual. Thus some Christians claim that they will never buy products of Starbucks anymore for their not celebrating for Christmas. Another topic that I am interested in is the 3D printing in medical use. Since I am participating in the Medical Translation Program in FJU, I am engaged in medical issues. I've notice that 3D printing is utilized in forming artificial bones and organs, and still developing the use in characterization surgery. Whenever I look at the video clips of different surgeries, I strongly feel the limitations of technology.</p>	Clarify things we want to research on
Week 13	<p>I have heard that one of my peers will be researching on the Murphy's law for her research report in CCIII due to a reason that I'd like to name "technology trauma." Half an hour right before I am typing the reflection for this week, my laptop just collapsed all of a sudden.</p>	

	<p>Luckily I am still able to turn it on to save the files and start it over again. Time to time I recalled the face of Ms. Sy, my teacher of mythology and the Bible literature, that she always shouted "it doesn't cooperate!" with a very frustrated expression staring at the computer.</p> <p>Technological products have the nature that take people's breathe away (with both meanings). They are too annoying to be trusted but too convenient to be abandoned. They raise my blood pressure time to time by losing files and shutting down with no good reasons. Even though I can write a poem about how technological products get on my nerve, I still cannot using them.</p> <p>Maybe they are another kind of drugs that people abuse these days.</p>	
Week 14	<p>This week we spend plenty of time discussing about our final project. We have been trying to figure out the best way we can dig into this issue since our previous decisions did not turn out to be good ideas.</p> <p>The information of our topic is harder to find than that we imagine, thus the progress is a little bit delayed. We also struggled on what software we will use for presentation.</p>	As mentioned in reflection
Week 15	<p>This Monday, our group met in the so called "little Paris" to set up a new job division. In the previous projects, we are all very used to divide our jobs into different parts.</p>	As mentioned in reflection

	<p>Therefore, we tend to forget about writing the job division in our organization. We came up with an idea to set cloud-based EMR as our main theme and reach out branches of topics such as case study and utility of EMR. Then we have two people working on one topic, which I think is more efficiently than the last time we divide our job.</p>	
Week 16	<p>The group that I evaluate this week is the one presenting the issue of water pollution. I think they have done a very thorough research, for there are really difficult terms that I don't even recognize them in Chinese. After their presentation, I have noticed a lot of unseen water pollution caused by people in their daily life, including the shampoo that they are using every day. They have also introduced an app that helps us identify the products that contain microplastics that severely pollute the environment. I will pay attention to the product I buy in the future.</p>	<p>Almost ready for presentation</p>
Week 17	<p>The group that I evaluate this week is the group that discusses the marketing strategy of Starbucks. From their report, I learnt that their product is successful not only because their drinks are tasty, but also because of their fulfillment of corporate social responsibility. The group informs us that Starbucks insists on using environmental friendly packages to produce their</p>	<p>We are ready to present our outcome of the project!</p>

	<p>product, and they even fulfill children's dream of going to school. After their introduction, I will be more willing to consume their product, since I know that their success is not only because of globalization and capitalism.</p>	
Week 18	<p>I want to thank our teacher BC for giving us such a useful class. I personally like to explore and try to use some different software and apps, and I know how difficult it is to learn how to use them when there is no one to teach you. Thus I really appreciate this course. Secondly, I want to thank all my team members for tolerating my crazy ideas. For example using Orange-light for midterm presentation is one of the crazy acts. I know it is a really difficult software, and thank you all for learning it. The final project is also a very difficult issue to work on. I really than you all for your participation and effort.</p>	

I think overall this course helps me learn more apps and software that may be useful for me in the future. The lesson also cultivates my flexibility of learning new things. The content of this course is interesting and educative.

References

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泰、韓、台三國醫療觀光服務產業發展之比較研究

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