

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

指導教授：陳碧珠
Bi-chu Chen

Cloud-Based EMR (Electronic Medical Record)

學生：彭翊欣撰
Cindy Yi-Sin Peng

402110178 Cindy Peng

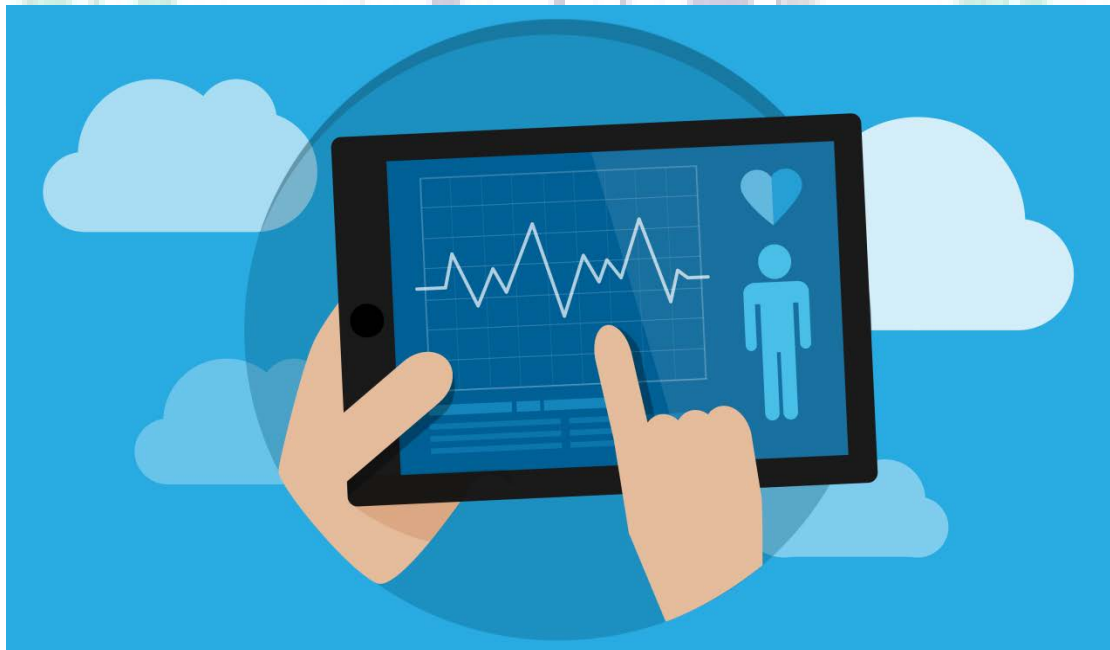
Ms. Bi-Chu Chen

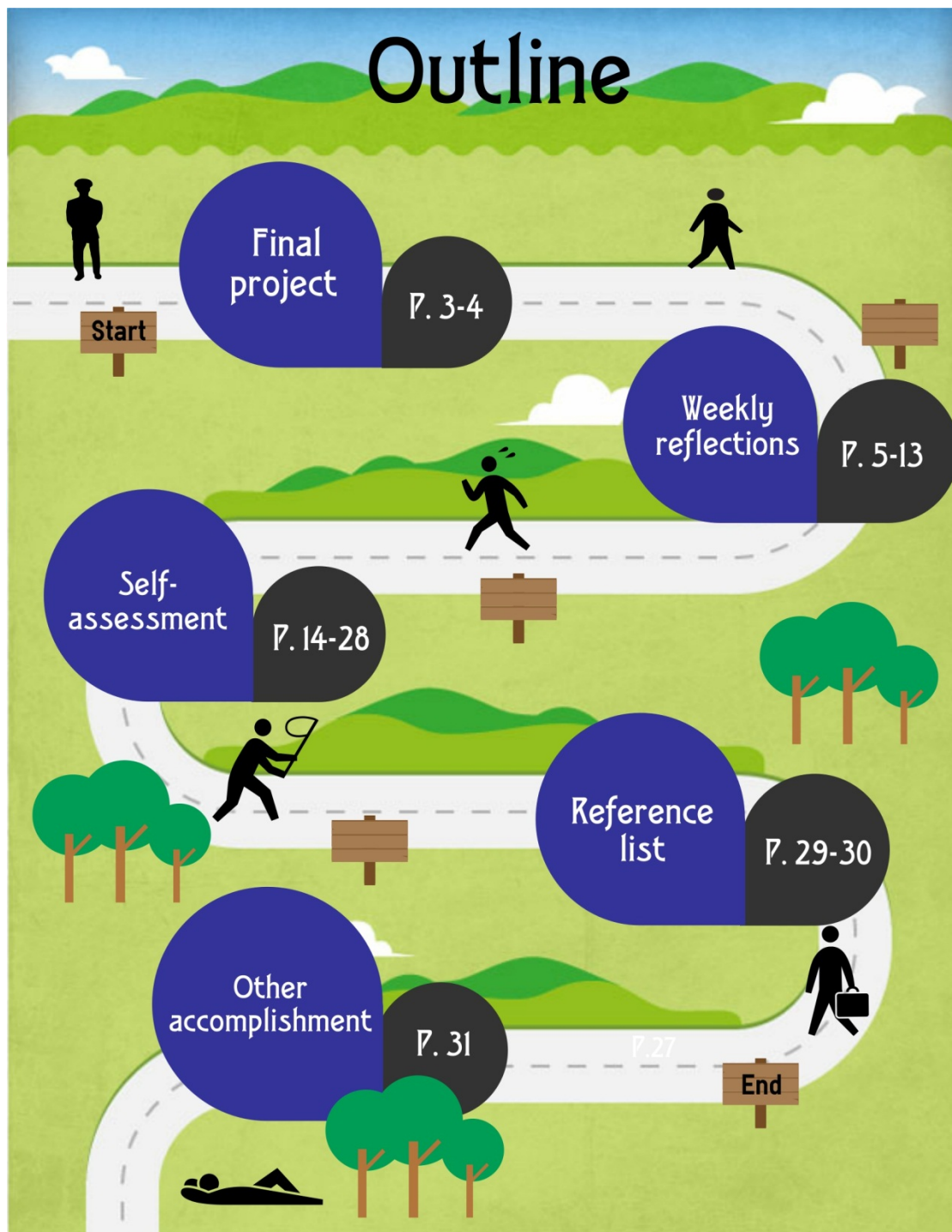
Technology Assisted Instruction and Presentation

16 January 2016

Learning Outcome demonstration

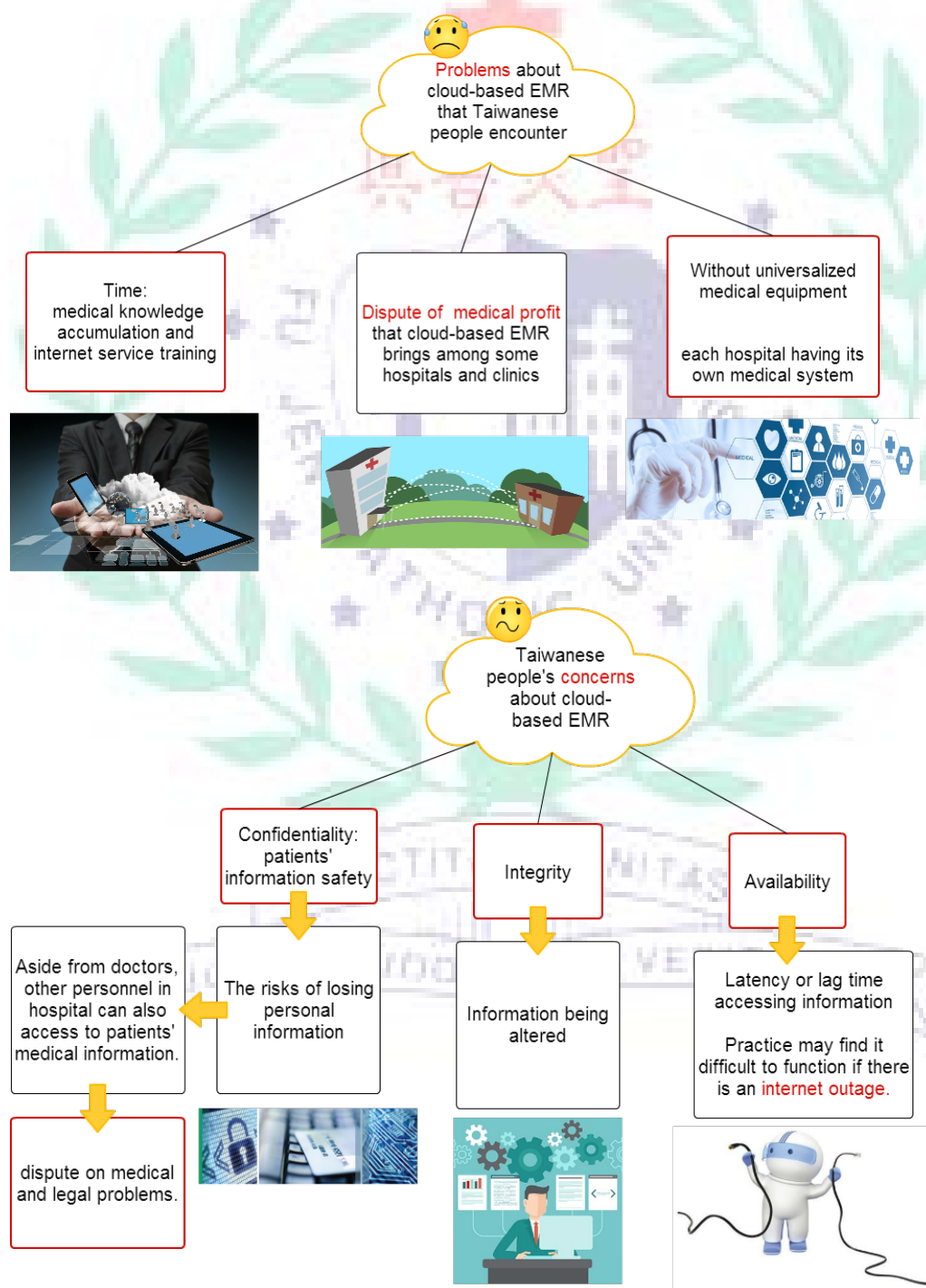
Cloud-Based EMR (**Electronic Medical Record**)

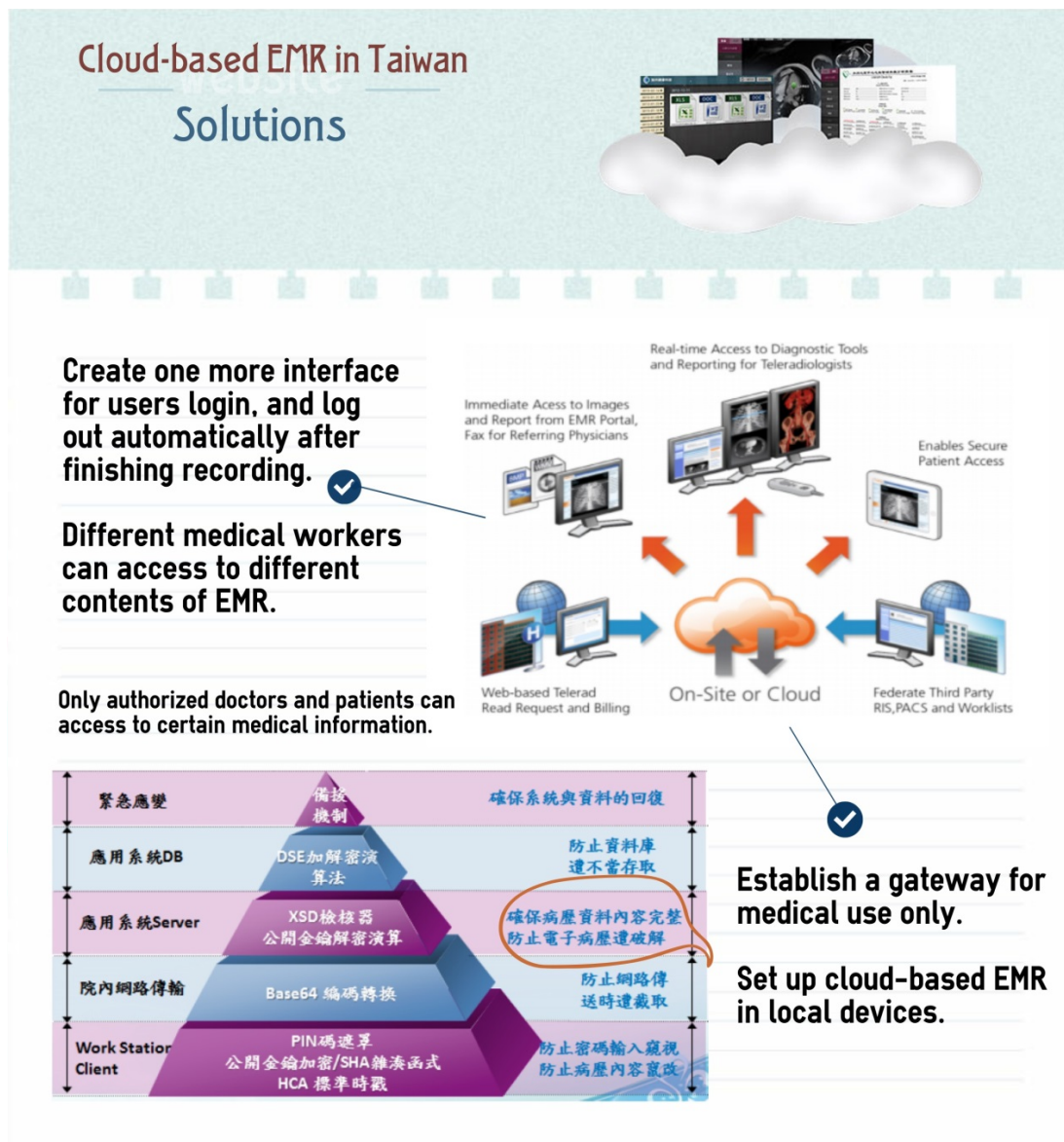




Final project—Cloud-based EMR (Electronic Medical Record)

I am responsible for the problems about cloud-based EMR that Taiwanese people encounter and Taiwanese people's concerns about cloud-based EMR. Also, I am also in charge of the solutions. For the problems and concerns, I use Cacoo to make the diagrams, and for solutions, I make the poster by using Easel.ly.





I am also the one who compiles my group members' materials into Prezi, the software that we use to do our presentation.

http://prezi.com/0qrwpwjshvvn/?utm_campaign=share&utm_medium=copy&rc=ex0share

I am also in charge of making the games for interacting with our audience. The learning game is made by Kahoot. Each of my group members should propose one to two questions, and I will compile them.

<https://play.kahoot.it/#/k/504971fb-5e6c-47a2-ac34-fa418ac5f874>

Weekly reflections

Week No.	Reflection
Week 1	<p>Today I have known many kinds of software in this course. I think the online software is really useful. I am really looking forward to learn how to use the software. Hopefully, I can make good use of it in the future.</p>
Week 2	<p>At first, I find that to compile my document from almost 20 slides into half of slides is harder than I originally imagine. However, after I try to complete it, my document becomes simpler to understand and more precise. I feel a sense of achievement after I finish it. Besides, finishing the assignment in class saves me a lot of time.</p>
Week 3	<p>In the first hour in the normal classroom, I think the teacher doesn't explain one thing clearly and just jump to the next. Therefore, that makes me confused, and I don't have time to digest what she says about the first thing. I hope the teacher can thoroughly explain one thing, then she can move to the next.</p>
Week 4	<p>Again, in the first hour in the normal classroom, I have a hard time understanding what the teacher are saying about the assignments that we</p>

	<p>are going to complete. It is not until we go to the lab to practice that I finally get the idea what we are going to do for this week and next week.</p> <p>In addition, I find Easel.ly is more useful and creative than I originally think.</p>
Week 5	<p>Through watching the film about Moodle, I know the differences and similarities between iCAN and Moodle. However, I don't think that Moodle is more useful than iCAN although Moodle has more functions than iCAN. Also, I think the way that Moodle arranges its content is a little bit messy. Aside from knowing the differences between Moodle and iCAN, today I also get the chance to know more about LMS(Learning Management System) and its advantages, such as blended learning and geographical independent learning.</p>
Week 6	<p>In the first hour, the teacher talks about numerous topics that we can choose for our final project, and I find some are very interesting.</p> <p>In the second hour in the lab room, we spend much of our time doing the assignments this week. However, at first, I do not know what kind of assignment we are going to complete. I think the reason why these assignments are hard to understand is because those assignments are asked to do at the same time, and I am so confused about what software</p>

	<p>should use to complete what assignments. What are we going to do by Evercam, and what are we going to do on Moodle or Google drive? These questions keep confusing me in the beginning.</p>
Week 7	<p>I like today's class very much. We learn to use Xmind to take notes. Xmind is very useful, and is easy to operate. We use Xmind to draw a chart to compare and contrast two songs, and I find it interesting. We can also draw charts in Word, but the chart design in Word is much less creative. On the other hand, Xmind has many tablets, which makes the charts decorative and beautiful.</p>
Week 8	<p>Today's group presentation is very interesting. The first group teaches us the software of designing a singing game. They also design a singing game for us to play with. I think it has a lot of fun but is quite challenging. The second group teaches us Audacity, the software of editing music. The software is very useful, and that group teaches very carefully. I have learned a lot.</p>
Week 9	<p>Today's group presentation includes Edmodo, Bitstrips, and Spelling city. For Edmodo, since I have used it in my freshman year, I have no problems using it. However, I only use the basic functions such as posting articles or sending messages on Edmodo before, and this group teaches a</p>

	<p>lot of functions that I have never known. I think they did pretty well. For Bitstrips, I like it very much. It allows us to make comics easier, and I find that it can just make on the website. That is, we don't need to download it. I think that benefits me a lot. For Spelling city, I think it is very useful because it can save the time to make this kind of worksheet to test people. I think I may apply it to my teaching method.</p>
Week 10	<p>On November fourteenth, my group members discussed the topic of final project. At first, we decided to discuss on Skype, but it turned out to be a bad decision because Skype cannot work well. Some of us did speak, but others could not hear clearly. Some of us also had the problems of the wifi. Then, we came up an idea that we could use Hangouts, which is also famous communicative online software. This time, hangouts worked well, and we successfully recorded our discussion. I think online discussion is not convenient, and we cannot discuss the points in detail, but discussing on the internet can also search information we want at the same time. Therefore, I think online discussion has pros and cons.</p>
Week 11	<p>Today we gave our presentation about the software for making game. However, it was not gone so successfully because our classmates could not download it and further use it. Although we still went through our</p>

	<p>presentation, we hope that we can find possible solutions and share with our classmates. Therefore, they can all have the chance to use this interesting software. Another group shared an interesting website which has numerous games to play, and I think it has a lot of fun. Today we also learned to use Cacoo, which is similar to Xmind, and I find Cacoo is more user-friendly. I prefer to use Cacoo.</p>
Week 12	<p>Today all groups need to briefly talk about their outlines for final project. I think other groups organize their outlines very well, and their outline is well-designed. Their topics are all quite interesting. Compared to them, our topic might be seem a little bit boring, since we talk about cloud-based EMR(electronic medical record), something that they do not familiar with. Actually, I also think our topic is difficult when I was looking for and reading the information about our topic, but since some of my group members quite know this issue, I will ask them whenever I encounter any difficulties. Furthermore, if I did some wrong interpretation about this topic, they will also correct me. After finishing the short presentation, we need to practice using Cacoo by revising our outline and creating another outline regarding the Evercam project. Since I have done most of my work at home before, I have more free time to do other things.</p>

	I have no problem creating a diagram by using Cacoo.
Week 13	<p>(Answers for the article of CC license)</p> <p>2. The CC license for this article is at the end of the article, following the notes part.</p> <p>3. I cannot use this article for commercial use.</p> <p>4. The authors do not think that Creative Commons can completely free people from copyright problems, but they do believe that licenses provided by Creative Commons can fulfill some people's needs to maintain their intelligence rights when sharing their work in public.</p> <p>Today we learn what is CC, Creative Commons, and learn how to create CC licenses. I think it is very useful, and I think it is can somewhat protect people's intelligence rights if they paste the icons on their works. I create one for my Evercam project and paste the icon at the beginning of my work. As for the practice of recording my Evercam project, I think it is quite challenging, and I indeed recorded many times. Here is the link of my Evercam project on</p> <p>Youtube: https://www.youtube.com/watch?v=4f0hAModQoo&feature=youtu.be</p>

Week 14	<p>Today we discuss our group project in detail in class. We kind of reorganize our group project and change our main focus a little bit. Our topic is still cloud-based electronic medical record, but instead talking about the pros and cons of cloud-based EMR and those of EMR, we decide to do the comparison and contrast between the cloud-based EMR in America and that in Taiwan. First we will introduce the cloud-based EMR in America, how well Americans apply cloud-based EMR and what difficulties they encounter and how they solve these problems. Then we will talk about the cloud-based EMR in Taiwan and the difficulties we face. Finally, we will propose some solutions to the difficulties Taiwan encounters by examining the way how Americans deal with when applying cloud-based EMR. We will conclude our group project with the issue of international medical treatment in Taiwan, to talk about how Taiwan can apply cloud-based EMR to international medical treatment.</p>
Week 15	<p>I really like the software that the teacher introduces in the first hour of the class. The software is called QDA Lite. Originally, I think that the software is used to take notes on the articles for our researches. After the teacher teaches us this software, I know that it can help us do qualitative researches. Although I think it is a little bit troublesome, maybe I will try</p>

	to use it one day.
Week 16	<p>Peer evaluation: Pollution of daily product</p> <p>I think this group does a good job. They provide sufficient details about the pollution that daily products bring and different poisonous ingredients contained in different kinds of daily product. Those daily products include beauty products like lipstick or fragrance, shampoo, body washer, and so on. They also discuss detergent pollution such as eutrophication in rivers. However, I think they should discuss how these daily products cause what kinds of pollution. For example, they mention that beauty products will cause air pollution, but they do not explain why.</p> <p>Overall, they give a good presentation. However, since each of them seems to be in charge of one part or one kind of daily product, each part seems to be independent to each other. I think they can have a conclusion at the end of their presentation.</p>
Week 17	<p>Peer evaluation: Starbucks</p> <p>I think this group has done a good job. Since they provide an outline for their presentation, I can know what they are going to say next. They first talk about the marketing strategies of Starbucks, and they mention LEET, an organization or something, but they did not explain what it is. Then</p>

	<p>they talk about the globalization and localization of Starbucks. I think it is very good that they provide examples for localization of Starbucks. For example, in Taiwan, there is 播茶 Frappuccino, and in Japan, there is Sakura Frappuccino.</p> <p>They also talk about the social responsibility in Taiwan and overseas. I think they categorize in a very clear way. The responsibilities are ethnical sourcing, environment stewardship, community involvement, and so on.</p> <p>In this part, they also provide concrete examples.</p> <p>Their presentation is well-structured, but I don't know whether or not it is because of the time limit, they don't have interacting activity.</p>
Week 18	<p>Originally, I had been thinking about dropping out this course because I thought that I took too many courses and I was afraid that I could not handle them very well. However, this course did not spend me much time because the teacher would always give us time to finish homework or reflections in class. Moreover, not only the course itself is very interesting, but also the teacher is very nice that she teaches us many kinds of useful software, and she will also spend a lot of time explaining what we do not understand in class to us after class. I thing she is very patient, and I really learn a lot in this course.</p>

2015f TAIP Self-Assessment & Class Survey- Jan. 2016

Reference list

DO, Seth Flam. "Cloud-Based vs. Client Server — What Is the Best EHR

Infrastructure?" *HealthFusion.com*. HealthFusion, Inc., 30 Dec. 2011. Web. 24

Dec. 2015.

<<http://www.healthfusion.com/blog/2011/ehr-technology/cloud-based-vs-client-server-what-is-the-best-ehr-infrastructure/>>.

Jay, Sanyi. "The Column of Cloud New Generation—Medical Cloud Has Potential of

30 Billion NT Dollars: The Key to Success Lies in the Promotion of

HER." *DigiTimes*. N.p., 18 Oct. 2010. Web. 28 Dec. 2015.

<http://www.digitimes.com.tw/tw/dt/n/shwnws.asp?cnlid=13&id=0000203867_484922H75PZRPB8TDV6HW>.

Li Jun, Wang, and Lin Jiayu. "Cloud Technology (1): The Application of Cloud

Technology on Medical Care." *Scitechvista*. N.p., 21 Mar. 2013. Web. 28 Dec.

2015. <<http://scitechvista.most.gov.tw/zh-tw/feature/c/0/13/10/1/184.htm>>.

Li Jun, Wang, Lin Jiayu, and Chen Yu Jia. "Cloud Technology (2): The Electronic

Medical Records and Health Cloud." *Scitechvista*. N.p., 21 Mar. 2013. Web. 28

Dec. 2015.

<<http://scitechvista.most.gov.tw/zh-tw/Feature/C/13/13/10/1/183.htm>>.

“Smart Health Care: Health Cloud.” *Farseeing Publishing Group*. N.p., Feb. 2014.

Web. 28 Dec. 2015.

<http://www.farseeing.com.tw/2005/club/club_issue.php?class=3&datevalue=1391184000_1393603200>.

“The Difficulties and Challenges of Health Cloud.” *DigiTimes*. N.p., 4 Nov. 2013.

Web. 28 Dec. 2015.

<http://www.digitimes.com.tw/tw/iot/shwnws.asp?cnlid=15&cat=&packageid=7877&id=0000355919_U9WL6VMH0036JKLA8MRTK>.

“The Security Risks behind Digitalization of Medical Science and Technology and Cloud-Based EMR.” *Techbang*. N.p., 12 Dec. 2013. Web. 28 Dec. 2015.

<<http://www.techbang.com/posts/16066-when-the-digital-medical-technology-behind-security-risks>>.



Other accomplishment

The poster below is made by Easel.ly, and it is made for the midterm project of this course. The midterm project is about software instruction, and my group introduces the software that can make interactive games.

橙光

The most creative software
to make GAME alight

Multiple Ending of a Playright





Click here to add words.



e.g.
To accept or to refuse (the
cloth) will lead to different
stories.

Creat choices to make your story more interesting.

402110178 Cindy Peng

