Good morning teacher, today we would like to present the dental clinic service system project.

We decide to create this project because nowadays number of dental clinics in Thailand is increasing very fast. Each dental clinic has a different number of patients, and they need to handle their patient.

[4]The major problem are the patient don’t know anything about a dental care that they are going to have/treated, the patient always lost their appointment card and forget their appointment, the dental officer need to call to the patient to remind the appointment, also patient need to call to the clinic to confirm, change or cancel the appointment .

[5]So, the dental clinic service system will provide the service for patient, dentist, and officer. It will bring all of service in the dental clinic to be the web application and mobile application. Both of them will have reminder the appointment date, view the dentist schedule for making new appointment, have a dental care knowledge and estimate cost for treatment, and consult with dentist.

[6]For business review we found that the dental clinic application and web service are already in the market but we think it does not has enough service for user. For this application just has only dental knowledge. For this website is only for customers and has only some information of dental care. Dentists cannot interact with customers directly.

[7]This is the technology we will use is phonegap is an application framework that enables us to develop Mobile Application easier and build natively installed applications using HTML, HTML5 and JavaScript. We use phone gap because it is an open source and it can create to be an IOS

(We use phonegap because we have some HTML, HTML5 and JavaScript skill so, we think if we use the phonegap it will be better than use another programming language that we never use before)

[8]We will use the Zxing for generate the QR code. We use Zxing because it is an open source and in iPhone, Zxing can work better than other QR Code libraries

[9]Motivation first nowadays most of people has been use an internet and most of people has smart phone.

We can see the dental clinics everywhere some area it has two clinics far from the other just about 200 meters

Some service problem such as some dental clinic use the paper to collect the patient information so,the information can be easy to lost

[10]The aims of this project is to facilitate patient, dental clinic officer and the dentist.

For patient they can keep contact with dentist, and their appointment. They can estimate the cost and find some knowledge of dental care.

The officer will easy manage anything easy because patient has own reminder, and he can reserve the appointment by himself the officer just only to manage the schedule and send it back to user for confirm.

For dentist they can manage their schedule and share to officer and patient, also can consult wit patient online.

[11] **Objectives**

1. To develop a system that consists of a web application and a mobile that provide services to helps dental clinics provide better services to their existing and potential customers:

* Appointment management
* Schedule sharing
* Online consultation
* Cost estimation
* Advertisement and promotion
* Providing knowledge of dental care Patient identification

2. To create a system that provides real-time information sharing among employees and customers of dental clinics.

[12] visitors and patients can use both the mobile application and the web application. Officers can use the web application to manage the schedule, add information via the Google Chrome browser, and identify patients by scanning QR code using a webcam. Dentists can manage their schedule and provide consultation to their patients using the web application. The system generates QR code for the patients and send it to their smartphone. The database of system is stored on the web server.

[13] Limitation- Google chrome(because for HTML5 using different code in different browser, and google chrome can perform HTML5 better than others) – internet requires Without Internet access, users cannot receive QR codes, and dentist’s schedule from the clinic. \*(QR code contains patient information) for Without internet connection, the mobile application provides the clinic’s information, dental care’s knowledge, promotion, and cost of dental care only – iphone should use the iOS7 or newer version also support Edge, Wi-Fi, or 3G.

Q&A

We provide the services for dentist, officer, and patient. And also have the QR code to identify the patient and facilitate to office to manage the queue. For reserve, change and cancel appointment online instead of calling to the clinic. The application provide online consultation between patient and dentist.

Use in barcode need to use barcode reader to read it, the for using in smartphone the screen resolution might cause the problem and the barcode cannot read the barcode from smartphone screen, if we using barcode with paper and mark it in appointment card, it can be lost and not solve the problem.

Apache = use to run the php/MySQL = database