

# **Project Proposal Report**

## **Executive summary**

Have you ever had a problem thinking about a restaurant or menu to eat each day? This is where our software comes into action, Kao Neaw Ma Muang can help people to decide restaurant or menu include find new restaurant have never eaten before. This software is easy to access and very user friendly, user include customers and entrepreneur can post, recommend restaurant around Chiang Mai University and review this is an excellent software for those seeking restaurant or menu around Chiang Mai University.

## **Current system and the process it supports**

This system is made for merchants within Chiang Mai University to be able to login and post food menus similar to Grab. Our system will have Recommend for You where each student is impressed with the shop. You can refer to other system users and each user can recommend the food. To exchange opinions with each person about food.

## **Client/User group**

CPE Professors, CPE lecturers and CPE students who want to find some restaurant or menu around Chiang Mai University, do not have any idea what to eat. (End User)

Entrepreneurs around Chiang Mai University who can post their restaurant. (End User)

## **Problems**

The popular problem in Chiang Mai University is students have limited time to find a seat at faculty's canteen. Our solution is We have created a system which users or merchants can come and post their own restaurant men and other users can recommend their restaurant they like to make it easier for other users to make decisions.

## **Motivation**

In the present, the most valuable thing is Time. is designed for students who study at Chiang Mai University who have little time to shop for lunch. During the day when the students of each faculty are not equal, this system will help solve these problems.

## **Objectives of the new system**

The new system will collect information that users search for and use it to make new adjustments and possibly find similar things. It knows what users like to guide users to make choices easier and saves time and can be done in large groups when parties or events.

## **Scope**

This built system has gathered the existing restaurants around Chiang Mai University for students to choose their favorite food without having to waste time choosing a store because they have limited time.

## **Benefits**

- Nowadays, Students in Chiangmai university have a problem about where to go when their Faculty Canteen is full.  
Our weblog is the answer for 21st century people because they want a comfortable life. This weblog will save a lot of time to find restaurants and go back to study in time
- Users that are in Chiangmai University can search for their favorite dish among restaurant around Chiangmai University
- Users can find restaurants around Chiangmai University - Our weblog allows users to make their own plan to buy their favorite dishes in their budget
- Our weblog provides freedom for users to review restaurant if the restaurant is good or not from their opinion - Our weblog can help users promote their own restaurant to make users around Chiangmai university know their restaurant.

## Technology feasibility study

Due to our project involves a web blog, which means any user can interact with each other by posting the contents and commenting. As a result, we chose Vue.js, an open-source model-view front-end JavaScript framework for developing web interfaces and single-page applications. In saying that, it can also be applied to both desktop and mobile app development too. Vue does this by using the traditional Model View Controller to view the user interface of an app or website by using its core library as the default view layer. It is flexible in that way. Next, we will focus on Firebase as a database and authentication as the backend. Firstly, Firebase is a real time database, which is suitable for our web blog where there is a lot of changing information all the time, such as users posting their contents or commenting on others' contents, etc. Secondly, firebase-authentication is used for building secure sign-ins for users. Because it provides backend services and ready-made UI libraries to authenticate users to our weblog. Moreover, it also supports authentication using passwords, phone numbers, popular federated identity providers like Google, Facebook, and Twitter, and more.

## Project plan

Tasks	Start Date	End date	Delivery dates
<b>Report #1 Feasibility study / Proposal</b>			
Identification topic	13/07/2565	13/07/2565	17/07/2565
Contextual interview	14/07/2565	14/07/2565	17/07/2565
Documentation	14/07/2565	16/07/2565	17/07/2565
<b>Report #2 Requirements Specification</b>			
Software design	18/07/2565		25/07/2565
Software construction & testing	01/08/2565		08/08/2565
<b>Report #3 Preliminary Design Specification</b>			
High-level/ Behavioral design	09/08/2565		15/08/2565
Estimated and prioritized user stories	09/08/2565		15/08/2565
<b>Sprint 1's demo</b>			
Implementation	16/08/2565		12/09/2565

Tasks	Start Date	End date	Delivery dates
Presenting: <ul style="list-style-type: none"> <li>- Authentication page — Login and register system</li> <li>- Home page</li> <li>- Blog page</li> <li>- Create content page</li> <li>- Profile page</li> </ul> <b>Note:</b> Without connect to backend.	16/08/2565		12/09/2565
<b>Sprint 2 Final Project Presentation</b>			
Implementation	13/09/2565		17/10/2565
Presenting: <ul style="list-style-type: none"> <li>- All features of the weblog</li> </ul>	13/09/2565		17/10/2565

## Conclusion

We are aiming to fix the problem that most of the students in Chiangmai University cannot choose their food. This will make them do not know where to go so they will be walking around to find the restaurant, but they will waste their time if they do not like it. Our weblog contains restaurants around Chiangmai University to help them find out what they want to eat or where is the restaurant they want to go. For example, if users want to eat Mu Kratha they can search the Mu Kratha in our weblog to find where it is around Chiangmai university, or they do not know where is the Mu Kratha restaurant they like. They can find it in our weblog too. Our weblog will help users that are studying around Chiangmai University to have more time before choosing their favorite dish or help them find out where the restaurant that has their great dish they want to go.

## **Responsibilities from A2**

### **630615020 Nuttanicha Prakatwuttisarn**

Each person in group does the topic differently. Divided according to each person's aptitude. I have got 2 topics, Executive summary and Client/User group. In executive summary, I collect all problem, find restaurant or menu, and find ways how to solve it. In Client/User group, I survey by ask professor especially Aj.Yuthapong because he always go to eat with Aj.karn and cpe classmate include junior that problem to find restaurant around university and If I develop this webpage it will solve the problem or not. In part of entrepreneur, I have not to ask them because it is hard to contact them and this web is just start to do. I hope that will help entrepreneur to get more profit if they use my website.

### **630615022 Tastai Khianjai**

We began with a discussion about our topic, and after we all understood the project idea, we divided the responsibilities of work between each person on two topics. I got responses on the number eight technology feasibility study, which is related to the study, and chose technology to use on the project. Next, number nine, Plan/Schedule, which is related to writing a project plan, including duration, timetable, list of deliverables, and delivery dates, etc.

### **630615024 Thiti Kaewja**

We have separated the work by letting group members choose Topics from A2 work. I choose titles number 2 and 5.

Numbers 2 and numbers 5 describe the system of the weblog. and a new purpose of the weblog where users can do anything on the weblog

### **630615039 Supakorn Udomsintuwat**

Each person does the topic differently. Divided according to each person's aptitude. 2 items, I got number 4, which is Problems/Motivation and Item 6 is Scope 4. The main problems with food apps are repetitive food and anorexia. We have fixed it by giving recommendations in different categories of food to look unique. 6. The scope of the food app is quite large because it has to bring food throughout the place to cover the users who are using it. And can choose food immediately. In summary, we have solved the most common problems, repetitive food and anorexia. We have brought new things for users to eat different foods each day.

**630615045 Arissawat Tresresiri**

We have separated the work by letting group members choose titles from A2 work.

I choose titles number 7 and 10.

In number 7 I ask my friends what they think about the benefits if they use our website and in number 10 I waited for my group to finish their work and take all of their information to conclude.