Requirement

4.1 Motivation (Old)

Nowadays, the number of tourists are increased. Many tourists who're come to travel in Chiang Mai, some of the tourist has a plan for their trip but in another don't have the plan to travel. But tourists have many problems about their trip that are the information of travel attraction, the route to go to travel attraction, and manage their trip. So, we want to make it more comfortable and satisfying for the customer to use this application for a guideline to travel. And this application will solve the problems for the tourist to make it easier and faster for the customer who wants to travel.

4.1 Motivation (New)

Nowadays, the number of tourists are increased. However, the tourists have many problems planning their trip. They have to find information of travel attractions, the route to go, and how to schedule their trip. So, we want to make comfortable application for a guideline tourists to travel, make it easier and faster for the customer who wants to travel, and solve the problems scheduling a trip.

Who is the user?   **Do not know what are in your application**

4.2 Aim and Objectives

4.2.1 Aim

◦ The Must is an application to help tourists managing their traveling plan.

◦ A tourist can find the information of attractions from our application such as description, picture, and open-close time.

◦ A tourist can go to travel attraction by following the route from our application.

Who are the tourists?

4.2.2 Objectives

◦ The users can view information of province, district and attraction.

◦ The member can create a traveling plan that they want to go. **Add / Edit / Delete?**

What is data information?

◦ The admin can manage a data information that consists of user, province, district and attraction.

Information of User or Travel attraction?

◦ To develop a web application and mobile application are easy to access and easy to use and understand.

The admin can manage a data information that consists of user, province, district and attraction.

- ~~The admin can edit a user's type information between "normal user" and "VIP user".~~

You have to have more user type.

- The admin can provide a travel attraction information (province, district and attraction details).

There are 3 types of user,

Guest is anyone who has not registed into the system yet. Guest can search to see information of traveling attractions, register to be a member, and see travel attractions' rating.

Member is the person who have already in to the system. He / She can use every services in the system such as search route, plan a trip, see information of a travel attraction, etc.

Admin is the person who provide content of travel attractions

Feature#1: Registration (OLD)

Description: The guest can register as a member to plan a trip by inputting name, e-mail, and password. The format of name is name must be the length between 3-20 characters and contain uppercase and lowercase. The format of e-mail is xxxxx@xxx.com. And the format of password is password must be the length between 5-8 characters and contain uppercase, lowercase, and alphanumeric. The guest cannot use the registered e-mail to register as a new member. When the guest does not input the information to register, the system will display the error message to register.

Actors: Guest

Details:
◦ Guest can register to be a member by inputting name, e-mail, and password.

Feature#1: Registration (New)

Description: The guest can register as a member to plan a trip. The guest cannot use the registered e-mail to register as a new member. When the guest does not input the complete register information, the system will display the error message. Guest can search to see information of travel attraction, register to be a member, and see traveling rating.

See the scope of the project

Actors: Guest

Details:
◦ Guest can register to be a member by inputting name, e-mail, and password.
◦ The format of name is name must be the length between 3-20 characters and contain uppercase and lowercase.
◦ The format of e-mail is xxxxx@xxx.com.
◦ the format of password is password must be the length between 5-8 characters and contain uppercase, lowercase, and alphanumeric

FEATURES

◦A services that The system provides to fulfill one or more stakeholder needs.

   ◦the **high levels expression** of desire system behavior

   ◦to describe functionality **without** getting stuck down in **detail**

   ◦consist of **short phase**

   ◦construct for only **project scope management**

   ◦**It must be independent from each other**

May put in other features

- ◦ travel attraction information are province, district and attraction details include .
- ◦ Search travel attraction information by name or partial of the travel attraction name.

Business Rules (Can get from the details part)

4.3.3 Limits (Old)

1. Internet connection is required for using this system through a Google Chrome web browser.

2. GPS (mobile device) connection is required.

3. Using on Android operation system only and Android above 4.0 versions

4. The system will manage 5 attractions per one trip (only 1 distirct).

5. The system will check other travel attractions that far from 30 km the 1th travel attraction cannot select to the member trip.

6. The user of The Must is user by car.

7. The system will be available in English Language.

8. The scope of attraction are the natural and Cultural attractions.

9. The attraction of Chiang Mai has 157 places and 26 districts but the attraction of the must has a 3-5 district that contains of Muang(42), Mae Rim(15) ,Chai Prakan(10) and Chom Thong(9).

4.3.3 Limits

1. Internet connection is required for using this system through a Google Chrome web browser.

2. GPS (mobile device) connection is required.

3. Using Android versions above 4.0

4. The system can manage one day trip, include less than 6 attractions in 1 district, only

5. The system will check other travel attractions that far from 30 km the 1th travel attraction cannot select to the member trip.

6. The system will be available in English Language.

7. The scope of attraction are the natural and cultural attractions in Chiang Mai province include Aumphur Muang (42 attractions), Mae Rim(15 attractions) ,Chai Prakan(10 attractions) and Chom Thong(9 attractions).

8. The information provides by Tourism Authority of Thailand (TAT).

4.3.4 Future Work

1. The must will manage trip more than 1 day.
2. The must can suggestion trip of each district.
3. The must will manage trip between nearby district.
4. The must will manage trip in another province.

4.3.4 Future Work

1. The must will manage trip in another province.
2. Feature 6: Advance Scheduling Trip (More Than 1 day/ More than one district)
3. Feature 7: Suggest Trips in a district

Feature#2: Authentication

Description: Member can login to access the system using e-mail and password and then system will validate data that store on data storage or not. The format of e-mail is xxxxx@xxx.com. And the format of password is password must be the length between 5-8 characters and contain uppercase, lowercase, and alphanumeric. If member cannot login to the system, the system shall provide error message that wrong information for login and then the system will require the user input e-mail and password again. And Member can logout from the system.

Admin can login to access the system and logout from the system when admin want to log off the website.

Actors: Member and Admin

Details:

- o Member can login to access the system using e-mail and password.
- o Member can logout from the system.
- o Admin can login to access the system using e-mail and password.
- o Admin can logout from the system.

Email has to be a valid format email which xxx@yyy.zzz. Password has to be an at least 6 characters long. System must validate System must validate the email and password before sending to verify in the server. When there is error, the system must provide helpful information and specify the infilled field(s) if the user have not input any required input field.

Actor: Member and Administrator

Detail:

- Member can login into the system
- Member can logout of the system
- Admin can login into the system
- Admin can logout of the system

1.3. Feature#3: Search for events

Description:

The user can search for event(s) by providing keyword in the search box and click the search button or press enter key. The keyword can be the event name, organizer name or topics. Moreover, use also can search for event by date and time interval and category.

Actor: Guest, Member, Admin

Detail:

- Guest can search event(s)
- Member can search for event(s)
- Admin can search for event(s)

1.4. Feature #4: Buy a ticket

Feature #2 : Edit account

Description : The User can edit information of they account after they registered. They can choose what information that they want to edit(name,password,email). When finish it will have save button in the bottom of the page.

Actor : User

Details :User can edit their information by clicking on the edit account button . After that it might have to

[handwritten annotations: "Design", "Can auto save", "no but...", "How", "ne..."]
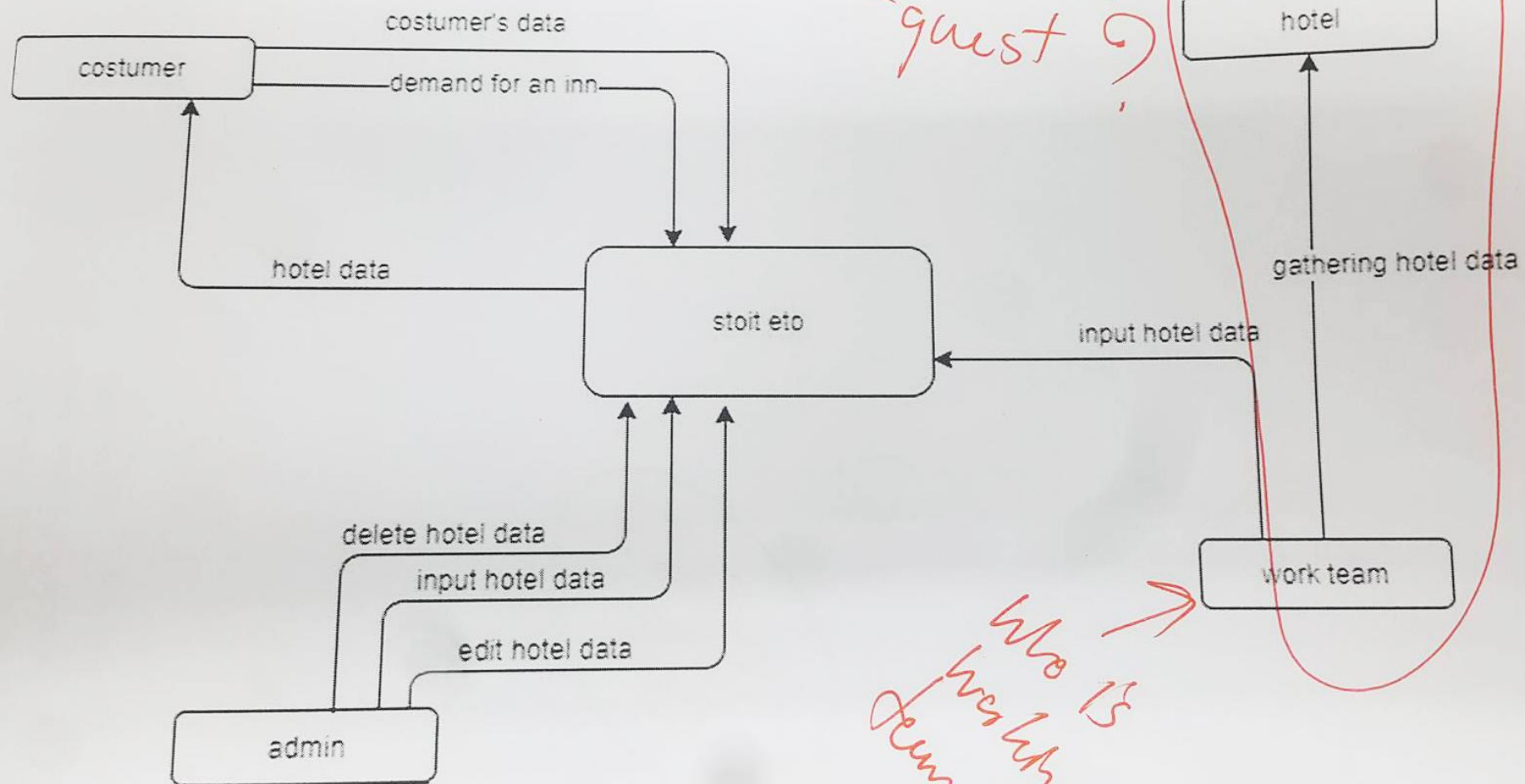
Details : User can login by clicking login button at the home page , it will provide user to login page which user have to input their Email and password to login .
if User correctly login the logout button will be in place of the login button in the home page

Feature # 2 : Language translation

Description : Gogogo can be able to transform for reaching and engaging with users around the world. Users can be engaging with potential users in their language. With a translated website, user can simply select their preferred language and Gogogo website is automatically presented in a friendly, familiar and engaging way for users.

Feature #2: Language translation

- URS-01: Users can be engaging with potential users in their language.
- URS-02: Users can select their preferred language

costumer

costumer's data

demand for an inn

hotel data

stoit eto

hotel

gathering hotel data

input hotel data

work team

delete hotel data

input hotel data

edit hotel data

admin

quest ?

Who is
work the
team

USER REQUIREMENT SPECIFICATION

◦ What user can do in the system, for each service.

◦ consist of sentences

◦ Specify user type

Feature #1 Translation system

- **URS-01:** Users can scan Chinese words by using built-in camera.

- **URS-02:** Users can view the explanation (i.e. meaning, pronunciation) of the scanned word(s) in English.

- **URS-03:** Users can select Text-to-Speech to get the Chinese pronunciation of the word.

- **URS-04:** Users can edit the Chinese word(s) (or Location name(s)) that are scanned to get the new explanation in English.

Debtor Control System : Needed to control Debtor

Can keep debtor history ⬅ **Feature**

- Can add debtor history
  - Deptor data
    - ID (alphabet 10 digits)   ⬅ **Requirement**
    - Name (alphabet 10 digits)
      Address(alphabets 10 digits, Tumbol, Aumphur, Province, Zipcode)
    - Customer can have more than one address, separated into Bill Addr, Shipping Addr.
    - Run Customer ID automatially
- Can update debtor history
- Can delete debtor history

Cannot re-fill debtor history

- To add debtor, the system have to check debtor name with the name in the DB, Show warning if there is the re-filling debtor history

Can keep sales history

- …

who does **what** by **how** in/on/at **when** and **where** so that **why**

CAMT students do **the enrollment** by **select courses** on **the first week of the semester** at **reg.cmu.ac.th,** so **they can take the courses** on that semester.

This will help you better understand the root problem

Problem

URS-1 User Can View the hotel page

Some URS is not in the Feature

URS : User shall be able to login

PROBLEM :
◦ Who is the user ?
◦ How to login ?

SOLUTION :

CAMT staff shall be able to login with Facebook

URS : Bank staffs can input information into the system to open an account.

PROBLEM :
◦ Whose information?
◦ What are the information ?

SOLUTION :

Bank staffs can input customer's information, included name-surname, address, telephone number (10 digits) into the system to open an account.

Group Work 4

Rewrite the Feature / URS of your project **30 minutes.**