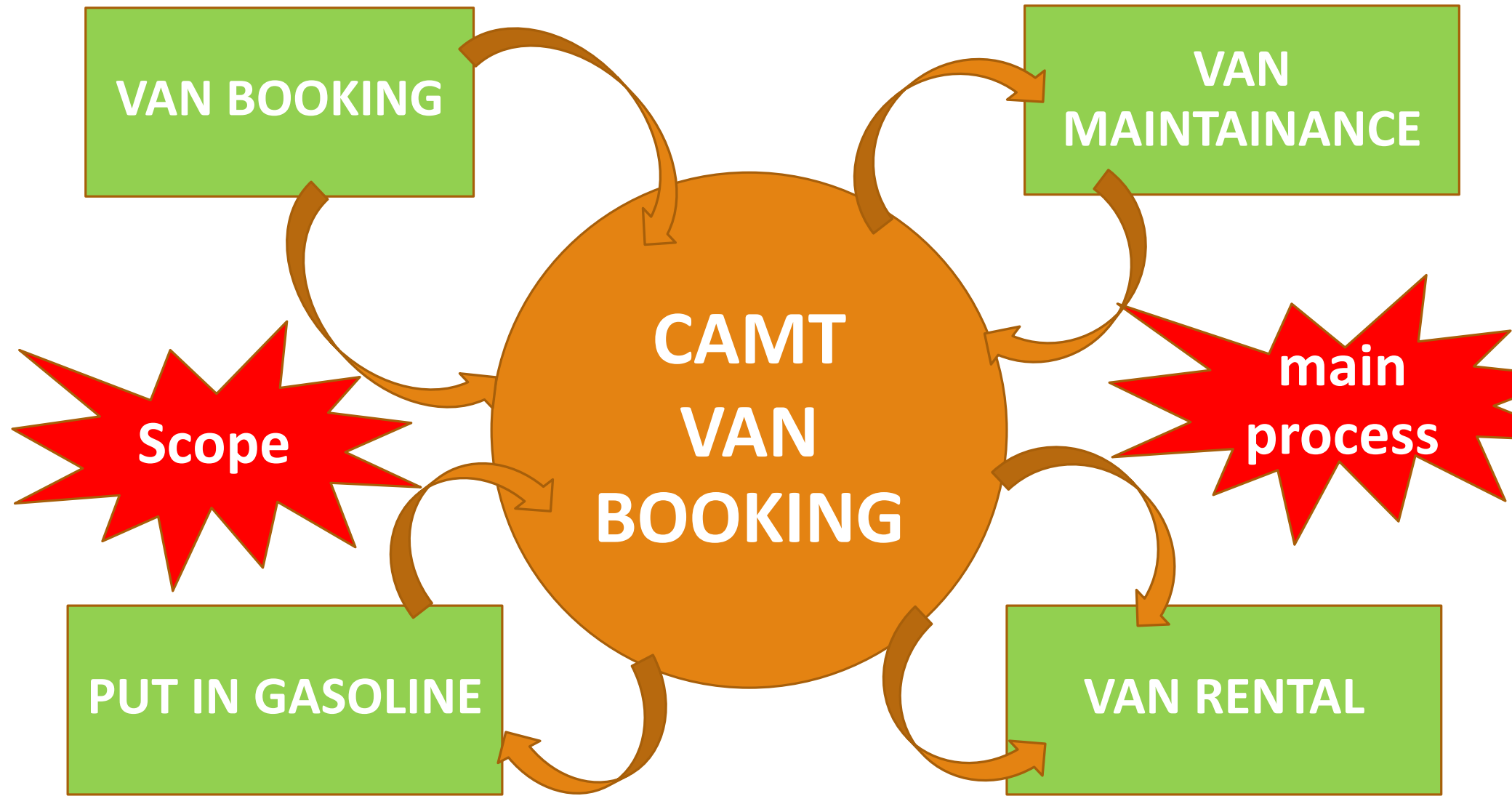
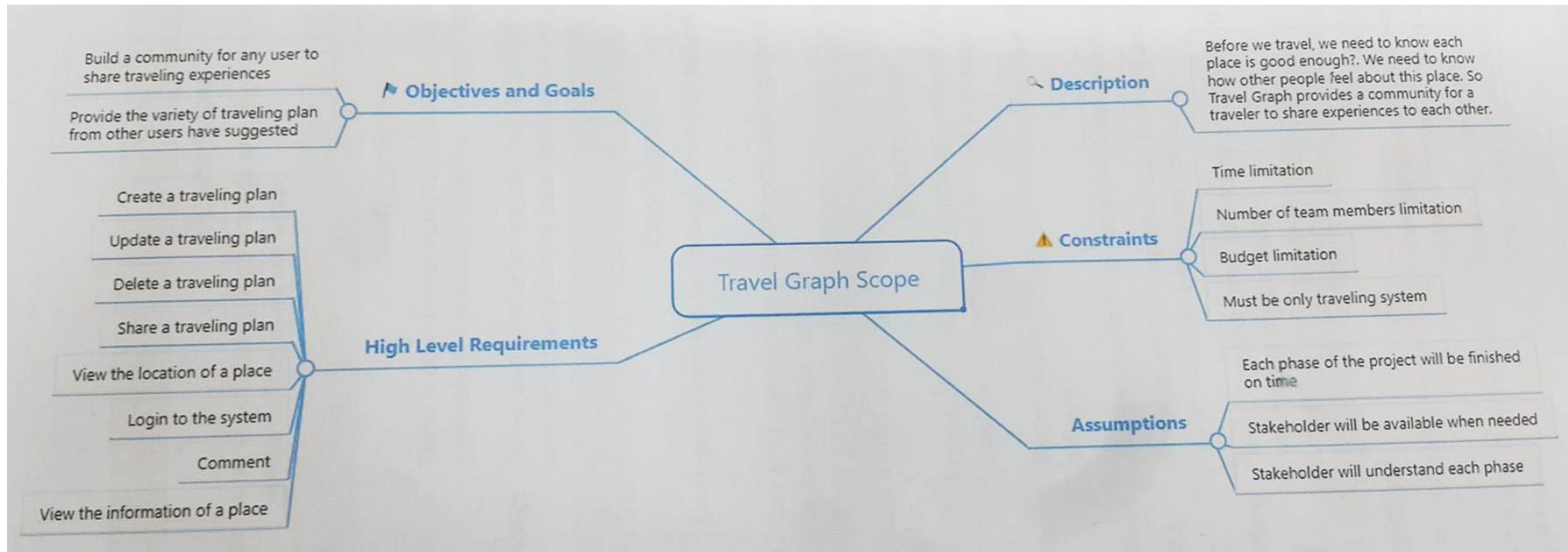


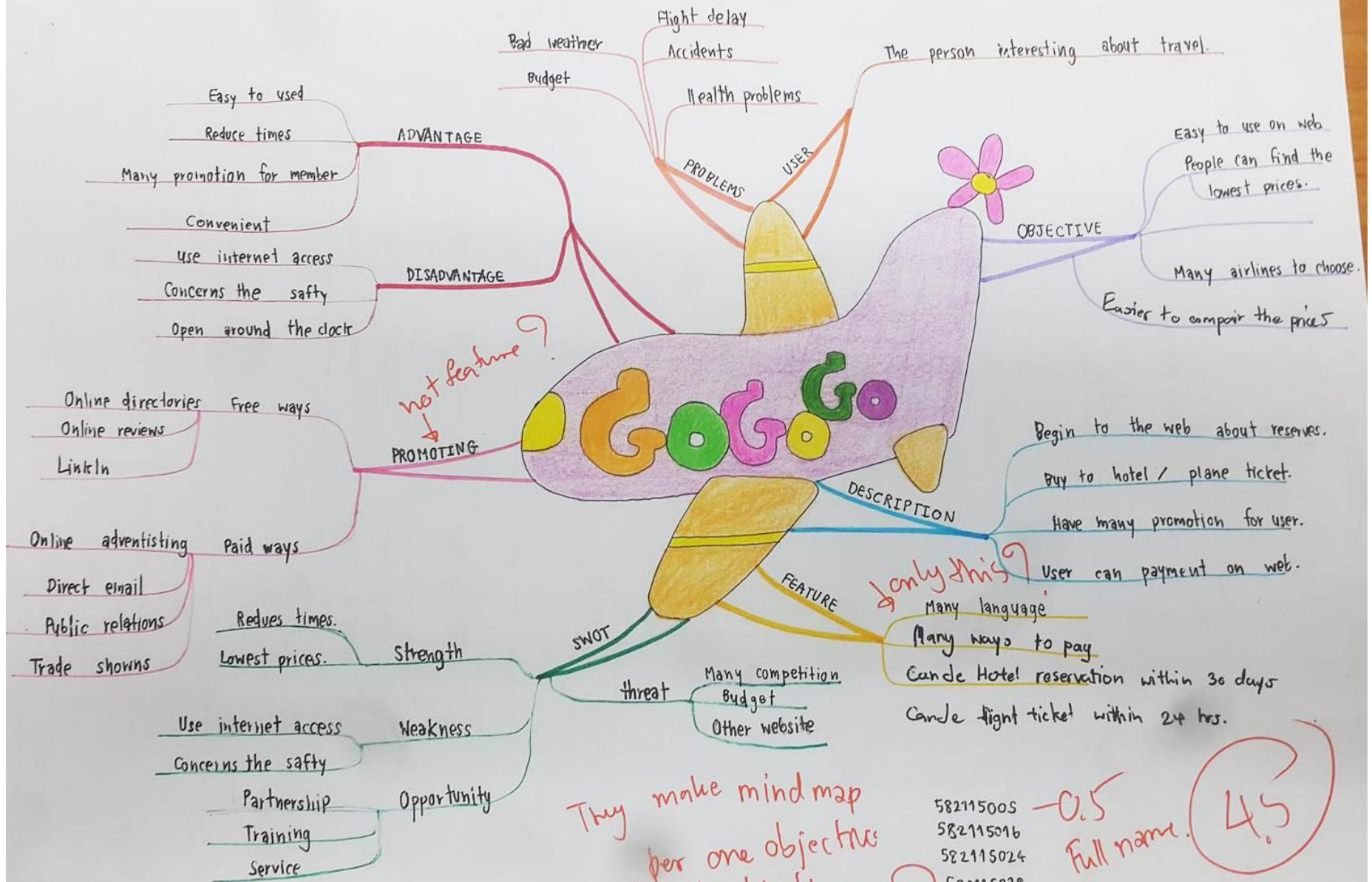
# Requirement

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FEATURES







They make mind map  
per one objective  
→ what's the objective  
of this mind map?

582115005  
582115016  
582115024  
582115028  
582115032

-0.5  
Full name.

4.5





Process	Week															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>Requirements Analysis</b> (AS, KP)																
• Defines goals and functions																
• Analyses user information needs																
• Create Requirement Documents																
<b>Design</b> (PK, AH)																
• Describe business rules, screen layout																
• Process diagrams, pseudo code																
<b>Implementation</b> (PK, AH, KP)																
• Coding																
• Prepare test cases																
<b>Testing</b> (AS)																
• Unit test																
• System test																
• Summarize the result																
<b>Support &amp; Maintenance</b> (PK)																
• Describe tasks to maintain																

\*Manager of each Phase: KP = Kittipan Panyaputit, PK = Pasakorn Kunchai, AH = Apiwat Hantrakool, AS = Aunnop Sirisit

Item	Cost (THB)
• UML Building Software	10,000.-
• Interface Design Software	15,000.-
• MacBook Pro	
• Monitor	
• Document Printing	
• Stationery	
• Payment of hiring (montly)	
Total	

Support

Estimated Effort

Process	Month					
	1	2	3	4	5	6
1. Analysis Market						✓
2. Design						✓
3. Implement						
4. Test			✓			
5. Support & Maintenance		✓				

Estimate Cost → For develop



## Estimated Effort

Support

Test before Implement

Process	Month											
	1	2	3	4	5	6	7	8	9	10	11	12
1. Analysis Market						✓						
2. Design						✓						
3. Implement										✓		
4. Test			✓									
5. Support & Maintenance		✓										

## Estimate Cost

→ For developing a program

Item	Approximately Cost(THB)
developer's tools	20,000/year
server rental	6,500/month
hotel room	3,000-10,000/night

what are

salary



# 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

Feature #1 Translation system

Feature #2 Map system

Feature #3 Favorites system

Feature #4 Word book system

### **Feature#1: Registration**

**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#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:**

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



# Group Work 2

Write the feature of your project **10 minutes.**

# 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.

# Group Work 3

Write the URS of your project **15 minutes.**



# Debtor Control System : Needed to control Debtor

## Can keep debtor history



**Feature**

- Can add debtor history

- Debtor data

- ID (alphabet 10 digits)

- 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 automatically

- Can update debtor history

- Can delete debtor history



**Requirement**

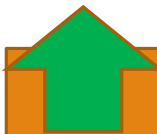
## Cannot re-fill debtor history

- 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

**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 URS of your project **30 minutes.**