

# WEBSITE PROMOTE TRAVELING PLACES IN KHON KAEN PROVINCE

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## ABSTRACT

Website promote traveling places in Khon Kaen province, be created for advertising travel places. It caused both of more interesting and attraction. To facilitate the search for attractions in province, such as Wat Nongwang, Ton Tann Green Market, Ubolratana Dam, Kao suan kwang zoo. The website consisted of 360 degree images to see more of the tourist attractions. The results show that satisfaction in various aspects. The functional requirement test was  $\bar{x} = 4.17$  and  $SD = 0.84$ . The Functional Test was  $\bar{x} = 4.37$  and  $SD = 0.68$ . The Usability Test was  $\bar{x} = 4.31$  and  $SD = 0.66$ . Security Test had a value of  $\bar{x} = 4.33$  and  $SD = 0.76$ . For Integrity Test, the absolute value was  $\bar{x} = 4.35$  and  $SD = 0.71$ . The average satisfaction of the five respondents is the mean of satisfaction in quality toward the system is well.

Keywords: Khon Kaen, Website promote

## 1. INTRODUCTION

Khon Kean is 6th large province in northeast of Thailand. [7] It has the interesting places and tourism's part. These increase economic activity, circulating currency both inside and outside country. So that the travel guide is significant supporter and low investment to promote traveling.

Website is very important to access data. It's a source that has collect a lot of data and respond to search for information by users, using by the map to find the way to go the places: hotel, restaurant, traveling places, unseen places, etc. Khon Kean province has no the data of the traveling places. So, the website was developed for promoting the traveling places in Khon Kean.

This very important to such as was shown traveling places with information data. Promoting is easy to find traveling places for traveler

## 2. OBJECTIVE

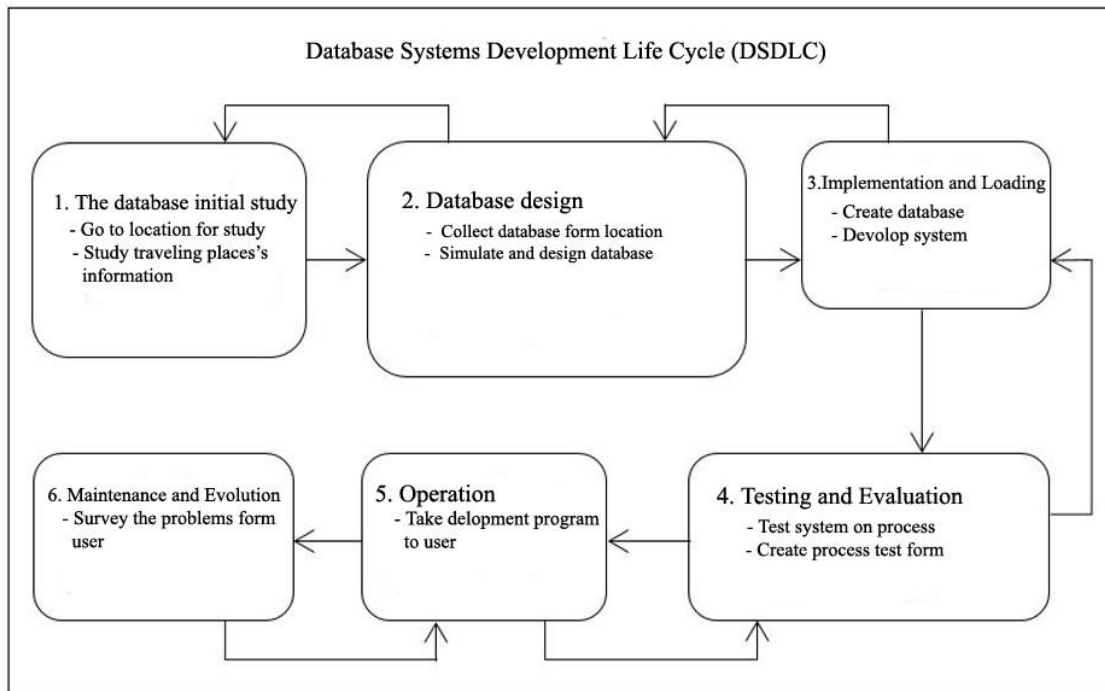
To develop a website to introduce tourist attractions in Khon Kaen province

## 3. METHODOLOGY

### 1. System analysis and design

Software development to follow the objectives and knowledge base requirement to promote traveling places in Khon Kean by using the DSDLC development method (Database Systems Development Life Cycle).

There are 6 steps: 1. The database initial study 2. Database design 3. Implementation and loading 4. Testing and evaluation 5. Operation 6. Maintenance and evolution (Show on Figure 1)



**Figure 1** Show process by using the DSDLC development method (Database Systems Development Life Cycle).

### System requirement

#### 1.1. System problems

Other website promote traveling places in Khon Kean province has not update a current and incomplete data

#### 1.2. Solve the problems

Develop database traveling places in Khon Kean province has most current data with current place photo

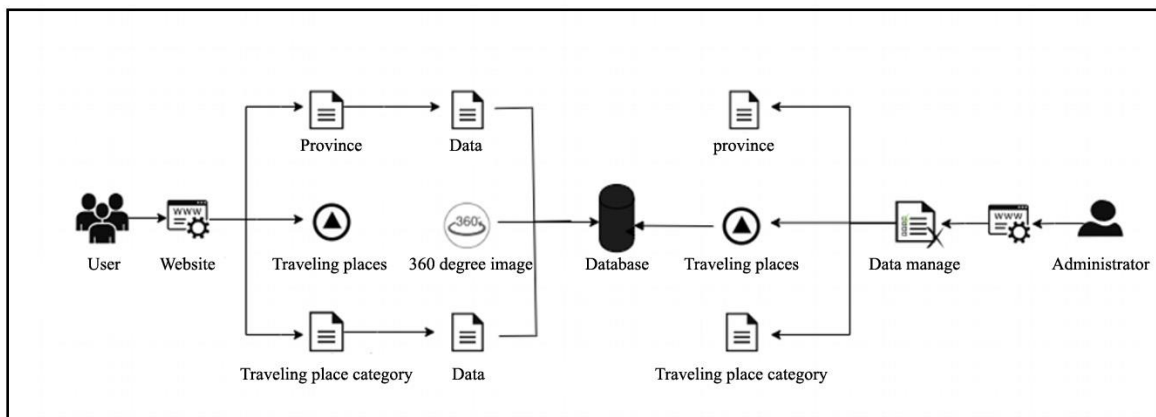
#### 1.3. New system requirement

Promote traveling places in Khon Kean province with new current data and current place photo on website for traveler

## 2. System design

### 2.1. System overall

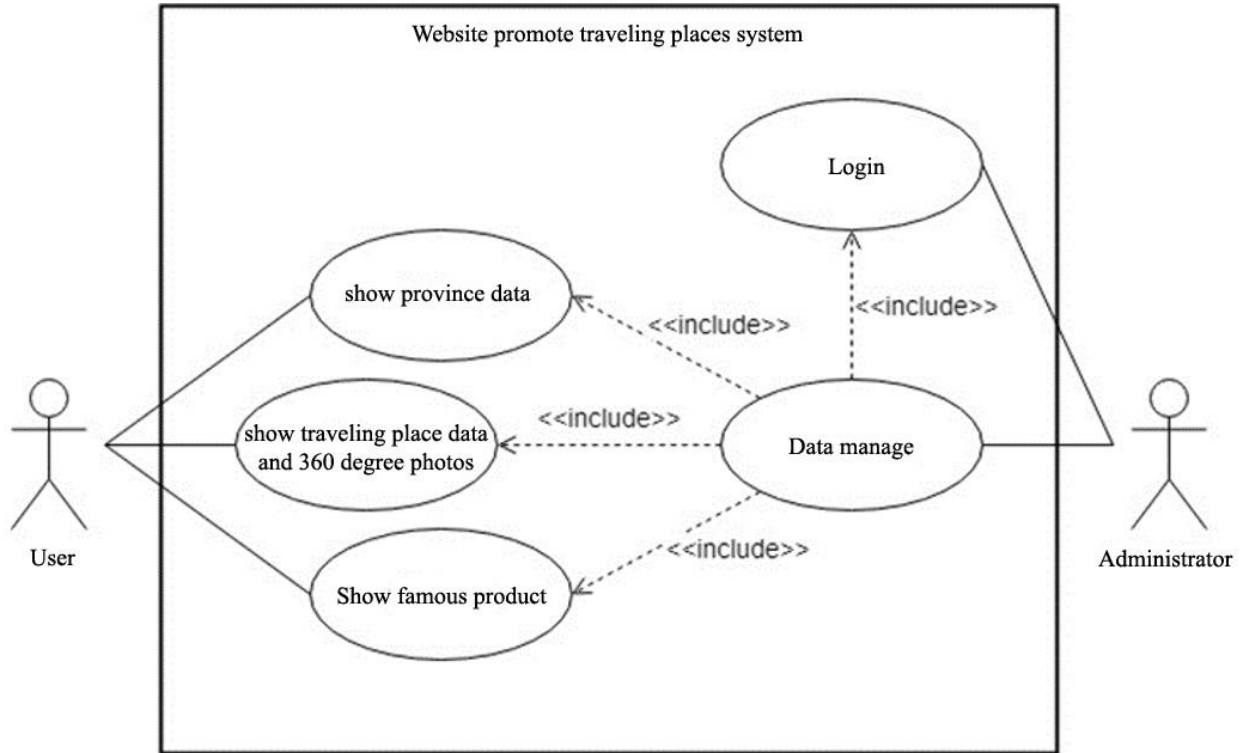
Website promote traveling places in Khon Kean province. On website divide the page user can view: province's history, traveling places information, famous product, a map and contact information in site administrator's system (Show on Figure 2). [8]



**Figure 2** Workflow Diagram system overall.

2.2 System scope

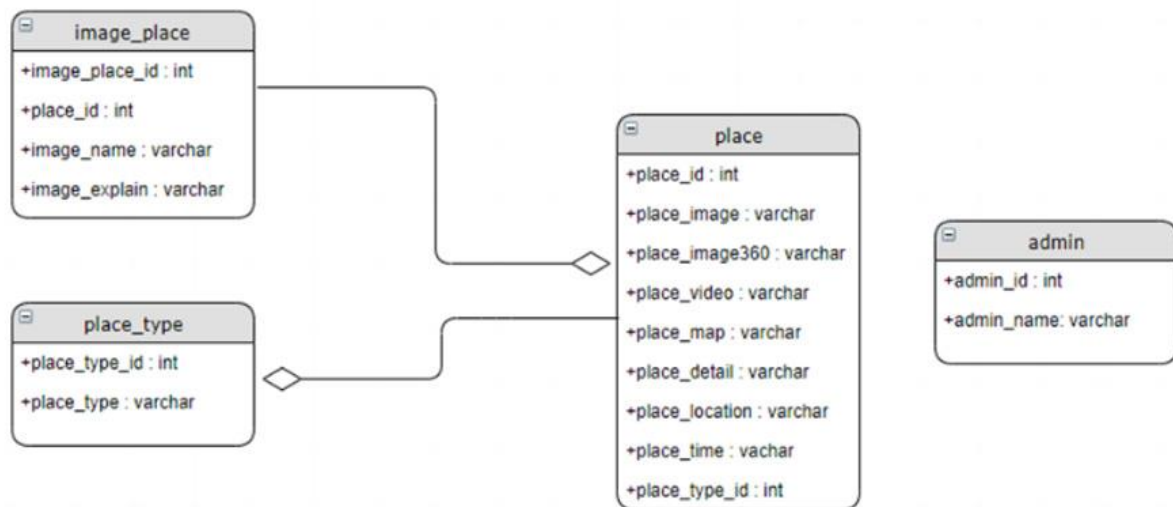
Use Case Diagram to explain system on process by user (show on Figure 3). [6]



**Figure 3** Use case diagram.

2.3 Class Diagram

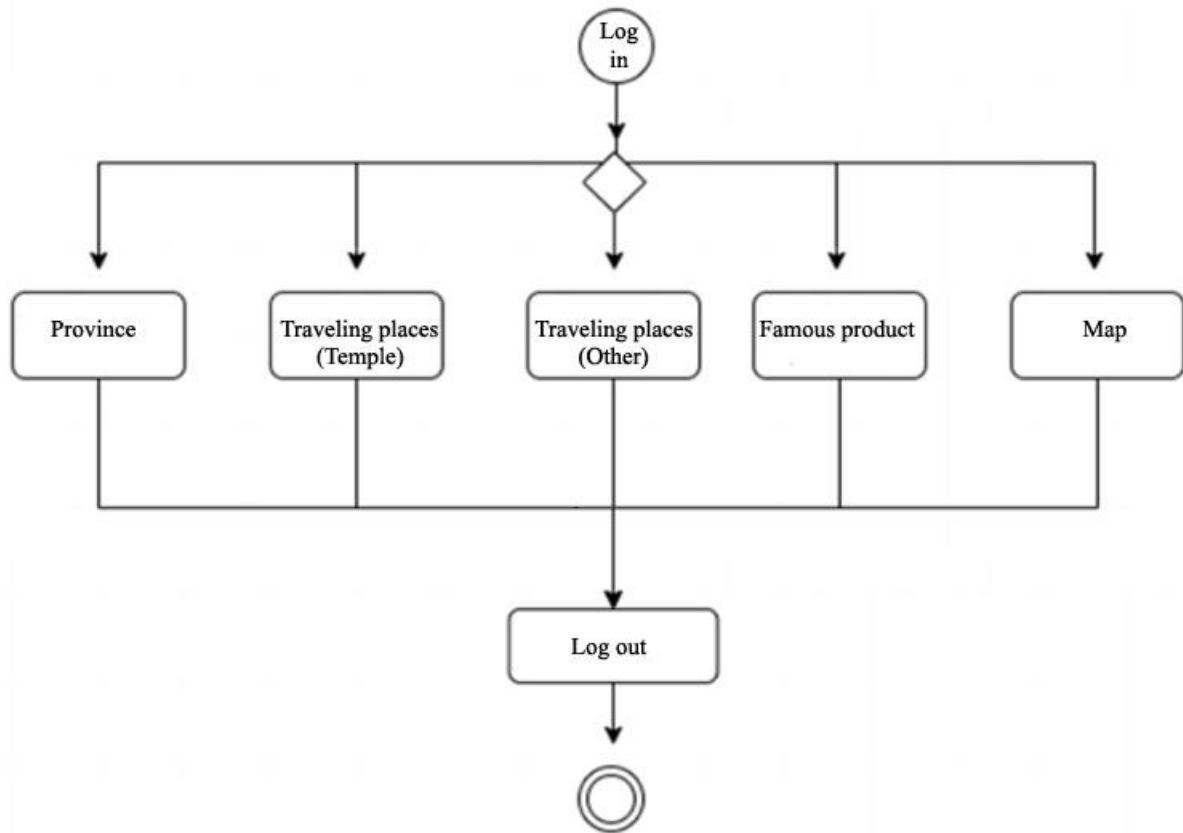
Diagram has shown relation of data on website and promote traveling places in Khon Kean province comprise category's table (traveling places), gallery place's table, place's table, user's table (show on Figure 4). [4]



**Figure 4** Class Diagram

## 2.4 Activity Diagram

Diagram has shown database system promote traveling places in Khon Kean province on process (show on Figure 5). [5]



**Figure 5** Activity Diagram

## 3. Development program

### 3.1 Development program

3.1.1 HTML5

3.1.2 CSS3

3.1.3 Java Script

3.1.4 PHP

3.1.5 MYSQL

### 3.2 Website structure and user part

3.2.1 Khon Kean province's history and information

3.2.2 Traveling places

3.2.3 Traveling places categories

3.2.4 Famous product

3.2.5 Photo album

## 4. RESULTS

Results were analysed by SPSS program. There is alpha coefficient method (Alpha efficiency) of Cornbrash by Vanichbuncha K. (2002) [2] to the probability of winning by a value between  $-1 \leq \alpha \leq 1$ . The value should not be less than 0.75 and close to 1 lot. This result shows many high confident

Analysis data for performance and satisfaction have 5 test and evaluation form rating scale 5 level. The average (X) and standard deviations (S.D.) of score 4.21 - 5.00 = the performance of development program in excellent level by Pinyo Th. & Thovicha A. (2013) [1] as show in Table 1

**Table 1** The Results of user test

Category of Evaluation	X	S.D	Efficacy Level
<b>Functional Requirement Test</b>			
1.The need for users to search for places	4.22	0.73	Good
2. The need for the function to find the correct location	3.88	0.71	Good
3. Requirements for the reliability of the program	4.14	0.69	Good
<b>Functional Test</b>			
1. Accuracy of location	4.18	0.82	Good
2. Accuracy of location details information	4.42	0.85	Good
<b>Usability Test</b>			
1. Ease of use	3.88	0.77	Good
2. Clarity of the text displayed on the screen	4.40	0.66	Good
3. The appropriateness of the amount of information presented	4.24	0.86	Good
4. The suitability of the position, placement of parts on the screen	4.20	0.85	Good
<b>Security Test</b>			
1. The ability to provide reliable information to users	3.98	0.71	Good
2. The appropriateness of the amount of information presented	3.76	0.84	Good
<b>Integrity Test</b>			
1. Results of displaying location details Is accurate and reliable	4.35	0.71	Good

Table 1 shows that assessment of the ability of the system to meet the needs of 50 users' respectively satisfaction in various aspects. The functional requirement test was  $\bar{x} = 4.08$  and  $SD = 0.71$ . The Functional Test was  $\bar{x} = 4.30$  and  $SD = 0.84$ . The Usability Test was  $\bar{x} = 4.18$  and  $SD = 0.79$ . Security Test had a value of  $\bar{x} = 3.87$  and  $SD = 0.78$ . For Integrity Test, the absolute value was  $\bar{x} = 4.35$  and  $SD = 0.71$ . The average satisfaction of the five respondents is the mean of satisfaction in quality toward the system is well.

**Table 2** The results of the Black Box testing of the system [3].

Category of Evaluation	Users $\bar{x}$	SD
<b>1. Function Requirement Test</b>	4.08	0.71
<b>2. Functional Test</b>	4.30	0.84
<b>3. Usability Test</b>	4.18	0.79
<b>4. Security Test</b>	3.87	0.78
<b>5. Integrity Test</b>	4.35	0.71
Average	4.16	0.77

The results of the Black Box testing of the system as show in Table 2 that a quality assessment of the system is well in all aspects and mean was 4.16 and standard deviations was 0.77 respectively.

## 5. ACKNOWLEDGEMENTS

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