

Learning Application Lao Vieng Food

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Abstract— This research aims create a learning application for Lao Vieng local food, development of patterns and methods of learning Lao Vieng local food for those who are interested. Gather and disseminate knowledge of local Lao Vieng food. The experiments were carried out in a sample of 40 people who were interested in the research using the conceptual framework. The application design for teaching and learning Lao Vieng local food. The collection of the folk wisdom of the Lao Vieng community using a process involved in designing application. The development and multimedia use the tools to develop simple applications and evaluate the application performance by experts.

The results of the research were as follows: Application to learning the local Lao Vieng through the participation process of the Lao Vieng community in Ban Noen Kham area, Noen Kham district, Chainat Province. There are components of the application. The important aspects are as follows: part one background and Lao Vieng food part two details of each type of Lao Vieng food: Nutritional value and the number of anti-oxidants. The results of the satisfaction assessment of the application were found that the content of the application was at a very good level. The overall mean of 4.78 and the standard deviation is 0.42 in the design of the application was good. It had a mean total of 4.82 and the standard deviation of 0.39 and the application of learning Lao Vieng local food. There was a total mean of 4.71, a standard deviation of 0.50, which was very good in all aspects.

Keywords- Local food, Lao Vieng community, the application

I. INTRODUCTION

The method of completion ability in creative and cultural tourism promotion of creative and cultural tourism business. The promotion tourism uses the creation and development of products and services with local wisdom. The creativity and cultural costs were supporting the use of technology and innovation in the development of tourism businesses[1],[2]. A cultural inheritance, way of life, customs that characterize a community are essential for information collection. Notes and public relations make the next generation aware of the way of life that belongs to their ancestors. It was preserving the culture continuing the good traditions in Chainat province, there is a Lao Vieng community. Which has inherited their traditions, arts,

culture, way of life and ethnicity. It became unique in the local area for example: weaving methods, dressing, food, dancing, as well as herbal wisdom. Most of the people of the community live in Vientiane. The villagers then called themselves “Lao Vieng” and there was a record that households were evacuated to a fertile farm in Noen Kham subdistrict, Noen Kham district, Chainat province. The villagers have jointly built Wat Noen Kham in 1898. Currently, the community is developing and expanding. Food and goods are sold, including the creation of an art and cultural courtyard called “Lao Vieng, Ban Nong Kham Folk Museum”. The recording in a multimedia format is including photos sound formats and animation formats. It is an interesting learning aid and promote understanding. It also helps promote publicity through social media networks that are popular today, such as Facebook, YouTube or Line, etc. The internet and mobile devices are in widespread development and used any time, various age groups, all genders, all ages promote learning through online multimedia media. It is very popular because it is convenient and accessible to everyone. Therefore, the production of application is in the preservation of the culture. Traditions that have been passed down in digital format for the youth in the community. Tourists or ordinary people who are interested in learning to preserve and disseminate the culture that has been passed down for a long time for the people of the community. Including public relations recording information for interested people and future generations to be aware of racism. Therefore, the research team sees the importance of this matter, then proposes to research and develop application for learning about Lao Vieng food. It is a development management plan for cultural conservation media supplemented by digital technology. This research aims to develop multimedia media for learning about Lao Vieng food. It is proactive learning and the development of digital technology skills in learning to facilitate and conserve cultures and lead to self-learning among interested parties. Through the efficient use of digital technology in the future. This will develop a production model for community media to learn and promote culture. The policy of the state according to the National Strategy that focuses on building competitiveness to create local identity agriculture. The promoting introduction of local identity and local wisdom of Thailand to promote the economy and create local strengths [3] (Department of Provincial

Administration. 2018) in order to comply with the said strategy. The research group therefore has the idea to use the knowledge, local wisdom of Thailand together with modern technology to help develop multimedia in order to learn and promote Thai culture. The story telling of local Lao Vieng food ultimately, the results of this research will help promote community income.

The importance of the issues mentioned above, this research study is to develop the body of knowledge from local wisdom[4],[5]. The public relations and communication in online media that can be published in various channels to use the resources that are cultural capital that have the identity of the Lao Vieng local food community. It is a channel for recording digital media and telling it to the youth in the community to be proud and cherish and preserve the local cultural heritage. Encourage learning and use as information for promoting tourism in the community. The application development project for learning about Lao Vieng food, Noen Kham district, Chainat province was therefore created by the general public. The tourist's student is interested in learning stories about history of local wisdom, Lao Vieng food. Through the development of application and know the patterns in the development of multimedia. This research study uses information about Lao Vieng food. The knowledge understanding of local wisdom that has been passed down. It is an easier way to access information resources of the Lao Vieng community. Including culture community traditions, it will be a tool for adapting and building learning skills into the 21st century. Learning application development Lao Vieng Local Food, it will help those interested in studying the local culture. Local wisdom that has been inherited forwarded between generations and generations in a time of rapid change of culture and tradition. Causing changes to the new generation of youth accessing and receiving cultures is fast and the disappearance of local culture. The problem of migration there was congestion in the city.

II. RELATED WORK

Wanna Ruangprajon (2013) [6] conducts research on the inheritance of local wisdom, weaving of local Lao Vieng people using information technology. By studying the local weaving conditions from Lao Vieng local wisdom study learning behavior develop multimedia learning materials about local weaving. It is a semi-experimental research and qualitative research. A curriculum was created for local weaving practice projects to promote the valuable culture of the Noen Kham community, Chainat province. Verified by experts the experiment was performed with two (15 students) in high school, grade 1-3, each practice weaving 8 times, 5 hours each, using project management principles. Starting from planning implementation of the period plan. Teaching of local teachers and philosophers' budget for materials, equipment, loom, and evaluation. The results of the research are as follows: Lao Vieng

community have weaving local fabrics from local wisdom. The inheritance of ancestors, there were 7 groups of weaving groups established in Tambon Noen Kham, totaling 62 households, most of them were elderly. In the district of Suk Duan Ha, there were only 5 households of weaving at Wang Kho Hai village. The results of the students' weaving practice experiment showed that after entering the project, they had knowledge at the 0.05 level. The students were satisfied with weaving at the highest level. There is a development of multimedia learning materials such as language content, images and letters, etc. to suit the students. The evaluation of the weaving practice project management according to the plan as a result, students have the ability to weave fabrics that have never been woven before. The fact that students can weave local cloths are a great way to carry on local wisdom.

Atchara Kringkasemsri and Thippawan Seichan [7] (2017) researched local food systems relationships that link the community case study of Thapklai Community, Thap Luang subdistrict, Ban Rai district, Uthai Thani province. The study of community cultural systems natural ecosystem, study of Lao Vieng ethnic food culture, style of cooking unique community cooking. Learning process, natural resource management belief traditions apply the theory of the fiber of life to understand the relationships in the community and the concept of community culture. It has a cultural inheritance, the use of lifestyles in line with natural resources, seasons, ethnicity. The results of the research were as follows: the relationships of the systems are complex. The support for each other local food is born from the adoption of natural resources. A culture system that can convey a story about way of life of local food production process and consumption of various cultural traditions

Apida Runawat [8] (2018) developed multimedia for local communities through community participation to create a forecasting model for the adaptation of the Thai agricultural sector. The objective of this research is to develop multimedia for the local community through the participation of the community with quality. The results of community-based learning management the target groups for this study were 3 experts, 11 communities and 30 students. It consists of motion graphics in 2 sections, media quality assessment form. Satisfaction questionnaire the achievement test and the student satisfaction questionnaire. The statistics used in the research were mean, standard deviation, and t-test (dependent samples). The results showed that the development of multimedia media resulted in a two-part motion graphics consisting of: Part 1 the collaborative integration project. Driving food security and food safety Kalasin province. Experts were of high opinion on the quality of multimedia media overall. The satisfaction of the target audience with multimedia overall was at the highest level. Part 2 the results of the food security and food safety program. Kalasin province: In the case of Phu Por sub-district, Muang district, experts

commented on the overall quality of multimedia at a high level. The satisfaction of the target audience with multimedia overall was at the highest level. The community-based learning management results, It was found that the learning achievement of the learners was significantly higher than the criterion of 70% at level 0.01. The overall score of multimedia assessment was at a high level. The satisfaction of the learners with the learning activities as a whole was at a high level.

III. RESEARCH METHOD

Our research method has development process consist of:

- Review research / document examination related to Lao Vieng local food. Community way of life gather basic information in the Noum Kham community, Chainat Province.

- Analysis of results data were examined by summarizing factors affecting Lao Vieng local food. Knowledge of local food, Lao Vieng and publicity and dissemination [9].

- Lao Vieng local food learning application design to have a simple use. Emphasize the design of the application screen (shown in Figure 1 and Figure 2) for the user to be easily accessible (User Interface, User Experience: UI / Ux[10]) and accuracy. There is a collection of user needs (User Requirement) from general people interested. Use the information to help design screen sketches. Using the participation of the design with the researchers in the area (Content Analysis) to define the issues for analysis together. Next classify the linked content for all processes. There are detailed interviews and explanations from the community that cooks the food. When this information is obtained, the screen sketch of the application is designed. Bring it back to the community and be evaluated by experts, used as input (Input), output (Output) type of data. Data collection and plans to develop the application [11].

- Develop applications and information systems. Using tools and software to be able to work on both android operating system, iOS operating system. Without using tools that are very complex (shown in Figure 3 and Figure 4). So, select the Thinkable tools for develop application. It is simply and output many platforms.

- Test the functionality of the application. Find errors and make improvements along with developing manuals and video demonstrations. "How to" use the application

- Distribution of application with electronic manual. Through online channels such as websites, media, social networks, academic conference and various educational establishments, etc.

- Make publicity in the use of the application (Figure 5 and Figure 6) developed to the general public. To public, disseminate and represent the population in the evaluation of the application.

- Make an evaluation of the application usage[12]. Gather application usage statistics. Problems from the application task to develop further.

- Write a report and summarize the results.

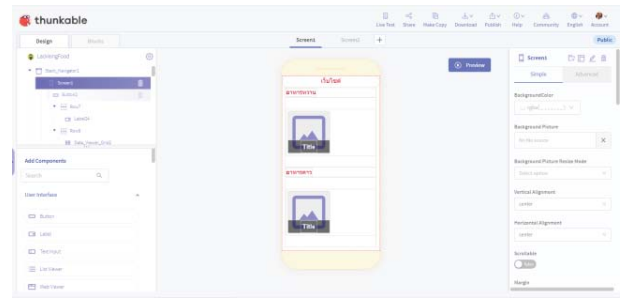


Figure 1. The Design Application Screen I.

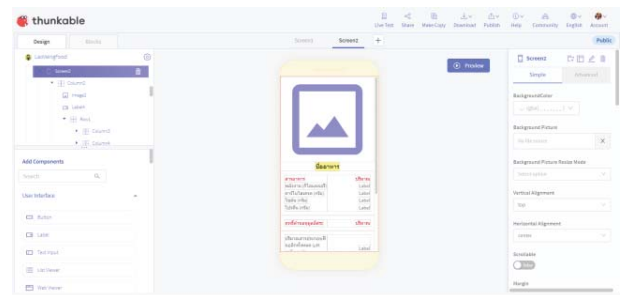


Figure 2. The Design Application Screen II.

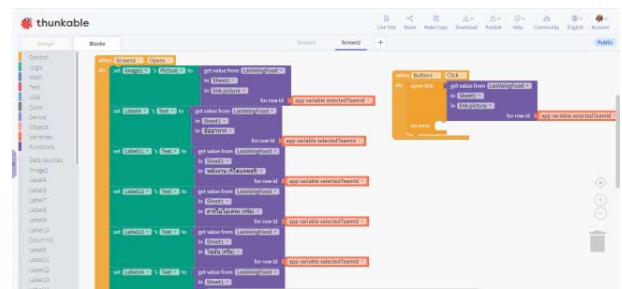


Figure 3. The Block Code Application Screen I.

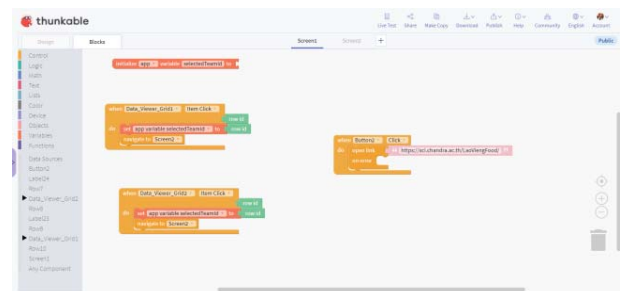


Figure 4. The Block Code Application Screen II.



Figure 5. The Final Output from Application Screen I.

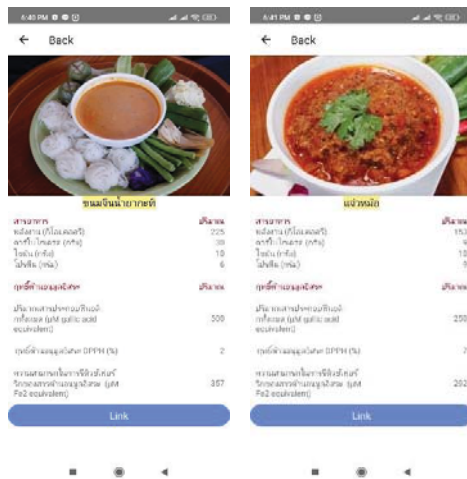


Figure 6. The Final Output from Application Screen II.

The screen 1 has showed menu Lao Vieng food: meat dish and dessert, then click on the menu picture shown that the screen 2 Nutritional value and the number of anti-oxidants: μM gallic acid equivalent, DPPH (%), μM Fe² equivalent.

IV. PERFORMANCE

The research team developed knowledge of Lao Vieng local food starting from the study of data analysis. Analyze application development tools making the application up to date and usable. The results of the analysis are divided into 2 parts: the expert part and the sample user of the application. Questionnaire evaluation results by 3 experts, the data was analyzed by mean and standard deviation, with the conclusion of Lao Vieng food learning application divided into 3 areas as follows show in Table 1:

- 1) Content aspect has good evaluation results. With a total mean of 4.83, a standard deviation of 0.39
- 2) Application Design have good evaluation results with a total mean of 4.67, standard deviation of 0.50.
- 3) The overall aspect of the evaluation was at a very good level. With a total mean of 4.75, a standard deviation of 0.46.

The results of the satisfaction assessment form. Results of the satisfaction assessment of the Lao Vieng food learning application usage. From a general sample of 40 people, data was analyzed for mean and standard deviation, divided into 3 areas,

- 1) Application content there is a good level of satisfaction. It has a total mean of 4.82, standard deviation of 0.39.
- 2) Application design aspects there is a good level of satisfaction. It has a total mean of 4.77, standard deviation of 0.50.
- 3) Utilization there is a very good level of satisfaction. It has a total mean of 4.77, a standard deviation of 0.50.

Discussion of research result, from the research results of the application of learning Lao Vieng food. A learning application is developed. the development of patterns and methods of learning Lao Vieng food for those who are interested by collecting knowledge of the Lao Vieng community, Noen Kham sub-district, Noen Kham district, Chainat province which is consistent with Atchara Kringkasemsri and Thippawan Sichan (2017) [8] researching local food systems Relationships that link the military community like Case Study of Thapklai Community, Thap Luang Subdistrict, Ban Rai District, Uthai Thani Province. The performance evaluation tool and assess the satisfaction with the use of the application. The sample group being general public most of them are student and between the ages of 20-29 years of satisfaction. The data were analyzed for mean and standard deviation with a summary of the content of the application and the utilization aspects is very good and application design aspects the quality is very good too. Therefore, the developed application can be used to learn. Including a collection of knowledge and publicize and disseminate in Lao Vieng food learning.

TABLE I. SUMMARY OF SATISFACTION ASSESSMENT

Assessment list	Comment level		
	(Avg.)	(S.D.)	converts
Application content			
Promote knowledge of local Lao Veing food	4.82	0.39	Very Good
The application is easy to use.	4.71	0.47	Very Good
The application is interesting to learn on your own	4.82	0.39	Very Good
The application is comprehensive and up to date.	4.76	0.44	Very Good
Application design			
The screen design is attractive	4.71	0.47	Very Good
The screen design, easy to understand	4.94	0.24	Very Good
The screen design is of the right size and position	4.82	0.39	Very Good
Application Utilization			
Can be used to create an understanding of the process of Lao Veing local food	4.75	0.45	Very Good
Recommended to those who are interested Used to study and learn about the local Lao Veing food.	4.76	0.48	Very Good
Useful for those interested in local Lao Wiang food	4.88	0.34	Very Good
Suitable for use as a learning center in modern times	4.75	0.45	Very Good

V. CONCLUSION AND FUTURE STUDY

Our application development offers ever-changing tools and technology. Developers should research learn to use application development. In the experiment of using application Lao Vieng Food which was the sample group in application usage and answered the questionnaire on the satisfaction after using the application. By analyzing the results and able to conclude that the mean results of all 3 aspects were at 4.79. It was concluded that it was very good. The experts introduce to include menu and showed method for Lao Vieng Food.

Future study, creation and applying modern technology and there is additional interesting content in the application can be automated or application development.

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