Web-based Information System of Ancient Mrauk U

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Abstract

Mrauk U is an ancient city of Rakhine State. This paper is intended to give the Web based information system of Ancient Mrauk U. Many people are interested the history. Everything has their history. In every era, it has history site which is very interesting places for all human beings. Among them, this paper gives general knowledge for people about the Ancient Mrauk U and traditional culture of Rakhine. This paper is widely describes for people who are interested in Ancient Mrauk U by using the Content Management System. A Content Management System (CMS) is software that makes it easier to create, edit and publish content on a web site. The user can choose the sections and design that the user likes to see on customized web site. The more realized the usefulness of internet and intranet based application, the more popular the worldwide web throughout the world. So it's reasonable to develop a web based record system. The user can obtain required information and knowledge easily and effectively.
Keywords: Content Management System, Ancient Mrauk U, Web-based Information, Content.

1. Introduction

Mrauk U Township is situated on the northeastern part of Rakhine State which is continuous with Chin State. Mrauk U, the capital city of 48 kings for 355 long years, stands at 20 H 25' N lat. and 93 H 11' E long.

It was founded by the King Mong Saw Mon in 1430 AD. The city began well-fortified with 19 miles long fortification walls, moats and natural barriers since its first establishment.

Mrauk U is an ornament of the Rakhine culture. Between 1430 AD and 1785 AD it was the last capital of the powerful Rakhine kings where Rakhine culture had its full bloom. Mrauk U was cosmopolitan city, fortified by a 30-kilometer long fortification and an intricate net of moats and canals. At the center of the city was the Royal Palace, looming high over the surrounding area. Mrauk U offers some if the richest archaeological sites in South-East Asia. Mrauk U's rich heritage is evidenced by many magnificent monuments and pagodas as the massive Shitethaung that houses a rich array of Lord Buddha's previous lives and also the figurines of Rakhine culture of that period.[1] This paper intended to Web-based information system of Ancient Mrauk U.

The Web-based information system can be reached from anywhere to a long distance way in short time for an information technology is developed firstly. With the aids of computers in respective fields, the user will encounter it is very helpful. Nowadays, the computer system is used all over the world. The more technologies develop, the more the people who live in the global information society use it every where. So it becomes the chief system of the world. Because of its excellent quantities, it is used in all fields and more work can precisely be done only in a short period. Information is basic resource in today society and Information system has become a vital component of successful business firms and other organizations. Thus, they constitute an essential field of study in business administration and management.

With the rapid growth of technology, organization needs to be quick to respond, to change the up-to-date information in a timely manner. So many people from all over the world, including our country, become great interest in the internet, since the people do not need to connect each other directly, but they can exchange timely and up-to-date information electronically by means of the internet.

This paper organizes as following. Section 2 describes related work. Section 3 show computer-based information systems, Information technology emerges, Section 4, it states Content Management system and web content management system. In section 5, it explained implementation of the system. Section 6 widely describes experimental result of this system. Section 7 described conclusion. Finally references are included.

2. Related Work

[2], Wikipedia, the free encyclopedia (Information-sysems) WikiProject. *(February 2009)* is presented the Information System consists of four parts which include: procedures, software, hardware, and information or data, which are essentially the same. There are various types of information

systems, for example: transaction processing systems, office systems, decision support systems, knowledge management systems, database management systems, and office information systems. Information technologies are a very important and malleable resource available to executives. [3], Wikipedia, the free encyclopedia Jump to: navigation, search (Content Management System) *(April 2009)* described a Content Management System (CMS) is a collection of procedures used to manage work flow in a collaborative environment. These procedures can be manual or computer-based. The procedures are designed to: allow for a large number of people to contribute to and share stored data, control access to data, based on user roles. User roles define what information each user can view or edit, aid in easy storage and retrieval of data, reduce repetitive duplicate input, improve the ease of report writing, improve communication between users. A 'Web Content Management' (WCM) system is a CMS designed to simplify the publication of Web content to Web sites and mobile devices, in particular, allowing content creators to submit content without requiring technical knowledge of HTML or the uploading of files. [4] http://en.wikipedia.org/wiki/Web_content_management_system is described a WCMS facilitates content creation, content control, editing, and essential Web maintenance functions. Other references are supported by historical site and many other.

3. Information System

An information system is an organized set if components for collecting, transmitting, storing and processing data in order to deliver information for action. In business firms and other organizations, this information is necessary for both operation and management. Most information system in today's organizations is building around the information technologies of computers and telecommunications _ they are computer-based information systems.

Information technology emerges as the fundamental technology of business. It enables efficient operations of a small business or a large corporation; it makes possible efficient management; and it supports the search for competitive advantages in the marketplace. Economic growth, i.e., growing productivity of resources, is based on moving to newer and more advanced technologies. An information system (IS) is formalized computer information system that can collect, store, process and report data from varioussources to provide the information necessary for management decision making. Information is often gathered and stored through manual process, although manual information systems are becoming relatively less important.

In a general sinse, the term Information System (IS) refers to a system of people, data records and activities that process the data and information in an organization, and it includes the organization's manual and automated processes. In a narrow sense, the term information system refers to the spefic application software that is used to store data records in a computer system and automates some of the information-processing activities of the organization. Computer-based information systems are in the field of information technology. the discipline of business process modeling describes the business processes supported by information system. [2]

4. Content Management System

A content management system (CMS) is a system used to manage the content of a web site. Typically, a CMS consists of two elements: the content management application (CMA) and the content delivery application (CDA).The content managed may include computer files, media, audio files, video files, electronic documents, and web contents.

There are three main categories of CMS, with their respective domains of use:-

1. Enterprise CMS
2. Web CMS
3. Component CMS

A web content management (WCM) system is a CMS designed to simplify the publication of Web content to Web sites, in particular allowing content creators to submit content without requiring technical knowledge of HTML or the uploading of files.

A Content Management System (CMS) such as a document management system (DMS) is a computer application used to manage work flow needed to collaboratively create, edit, review index, search, publish and archive various kinds of digital media and electronic text.

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CMS' are frequently used for storing, controlling, versioning, and publishing industry-specific documentation such as news articles, operators' manuals, technical manuals, sales guides, and marketing brochures. The content managed may include computer files, image media, audio files, video files, electronic documents, and Web content. These concepts represent integrated and interdependent layers. There are various nomenclatures known in this area: Web Content Management, Digital Asset Management, Digital Records Management, Electronic Content Management and so on. The bottom line for these systems is managing content and publishing, with a workflow if required. [3]

4.1 Web Content Management System

A WCMS is a content management system, usually implemented as a Web application, for creating and managing HTML content. It is used to manage and control a large, dynamic collection of Web materia (HTML documents and their associated images). A WCMS facilitates content creation, content control, editing, and many essential Web maintenance functions.

Usually the software provides authoring (and other) tools designed to allow user with little or no knowledge of programming languages or markup languages to create and manage content with relative ease if use.

Most systems use a database to store content, metadata, and/ or artifacts that might be needed by the system. Content is frequently, but not universally, stored as XML, to facilitate reuse and enable flexible presentation options.

A presentation layer displays the content to regular Web site visitors based on a set if templates. The templates are sometimes XML files.

Most systems also use some form of server side caching which enables boost of performance. This works best when the WCMS is not intended to be changed often but visits happen on a regular basis.

Administration is typically done through browser- based interfaces, but some systems require the use of a fat client. [4]

5. System Implementation

This paper was implemented with ASP.Net about ancient Mrauk U. This section presents the knowledge of the Ancient Mrauk U, it supported by information technology. This system provides for user to required information for Ancient Mrauk U. The user will choose likely content (About Ancient Mrauk U, Culture of Ancient Mrauk U, Traditional Performance, Rakhine Festivals, Period and Pagodas) from content Browser Home.

In my system, firstly, user will see homepage. User can select their likely sub-content, such as Capital, Area and population, Governing, Military, Religion, Dresses, Bound, Wedding, Hairknocks, etc…) under the content titles. The system has "Login", "Home", "Intro Mrauk U", and "CMS list" buttons. "Login and CMS list" buttons are for Admin. If the user clicks "Home" button who can see content list. If the user clicks "Intro Mrauk U" button the system gives a little the about of ancient Mrauk U. Figure 1 is the system flow diagram of the system.The system reduces time consuming, costs, and uses easily without requiring much computer skill.

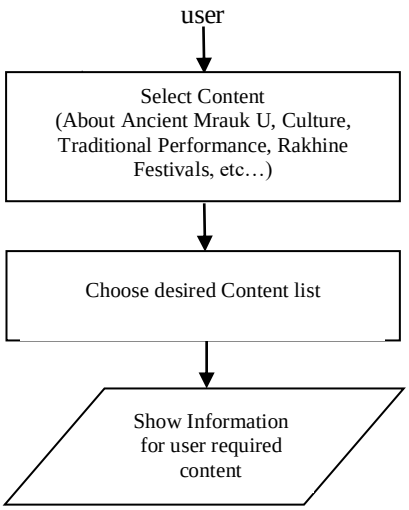

Figure 1 General process of Ancient Mrauk U

6. Experimental Result

This system introduces the result of applying Content Management system. The user enters into the system. User may see Six Content Title. Each has many sub content title. If the user want to know King and Queen information and the longest reign of Mrauk U period who can choose Content Kingdom table. And then the usre want to know trade, who can choose Content trade Statics. The system shows detail Rakhine's trade. If the user selects likely sub-content title, the information is appeared beside this content page with images. User wants to know about Rakhinese of religion. Who should select religion content under the Ancient Mrauk U. Then the system shows information for select content. Figure 3 illustrated the religion content. In figure 4 show about Shitethaung temple, that established Mong Bar Gree since second of Mrauk U period. It widely describes in that page. In figure 5, it describes dresses all Rakhine ethnic (Mro, Khamin, That, Dinet, Rakhine). Figure 6 shows Rakhine traditional Kyurn is kind of sports which is celebrated over centuries, It is usually held in pagoda festivals, special celebrated days.

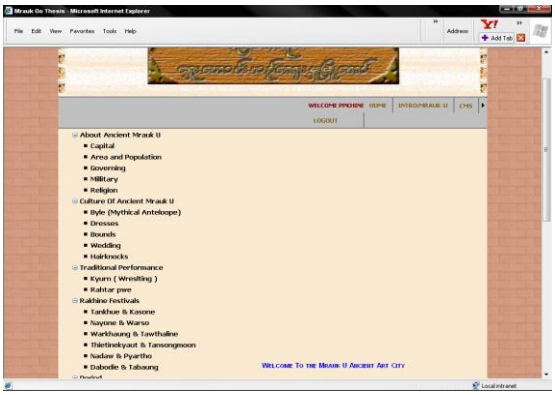

Figure 2 Interface Design

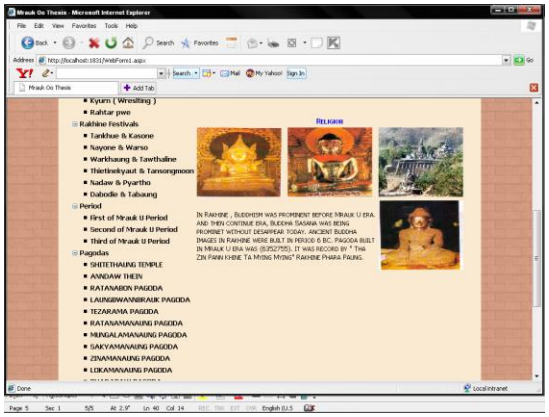

Figure 3 Religion page.

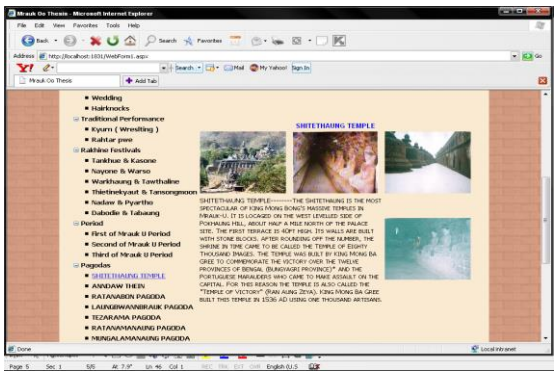

Figure 4 Shitethaung Temple page.

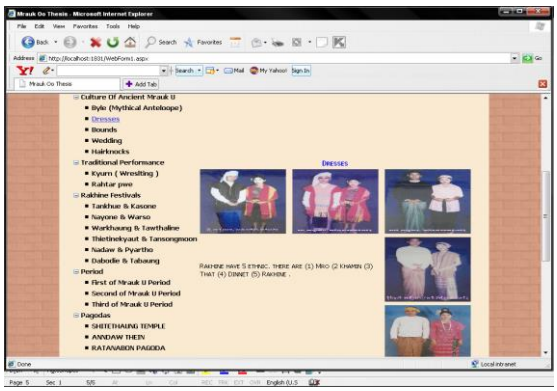

Figure 5 Dresses page.

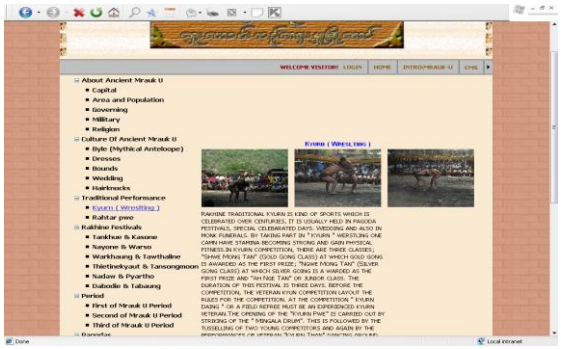

Figure 6 Kyurn (Wreslting) page

7. Conclusion

In this paper, web-based Information System of Ancient Mrauk U is stored on computer designated as Content Management System. The queries that come from query analyzers are created on C# programming Language.

If the user uses the Internet and Intranet, the users can inquire this information system. We can view and study the overall of the Web information system of Mrauk U. The contents of the system can be maintained effectively by the administrator. Web-based information system of Ancient Mrauk U is necessary to provide effective and information in short time.

REFERENCES

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[2] Wikipedia, the free encyclopedia (Information_systems) WikiProject. *(February 2009)*

[3] Wikipedia, the free encyclopedia Jump to: navigation, search (Content Management System) *(April 2009)*

[4] http:// en. Wikipesia.org/wiki/Web-content-management-system

[5] ရမ်းဖြိတောင်ကျောင်းဆရာတော်ရေးသားသော ရခိုင် ရာဇဝင် သစ်ကျမ်း (ဦးစက်ဆန္ဒ)

[6] မဟာရာဇဝင်တော်ကြီး (ဦးသာထွန်းအောင်)

[7] ပြည်နယ်ဖြစ်စဉ်သမိုင်း

[8] ရခိုင်မဂ္ဂဇင်းအမှတ်(၄)တက်ထွန်းနီ (မြောက်ဦး)

[9] ရခိုင် ဗျာလ် (၁၉၉၄) တက်ထွန်းနီ (မြောက်ဦး)

[10] လခြမ်းမြို (၂) ဦးအောင်လှသိန်းရေးသားသော ဆောင်းပါး