UMP LIBRARY SYSTEM (VB system)

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THESIS SUBMITTED IN FULFILMENT OF THE DEGREE OF BACHELOR
OF COMPUTER SCIENCE (COMPUTER SYSTEMS & NETWORKS) WITH
HONOURS

FACULTY OF COMPUTER SYSTEMS AND SOFTWARE ENGINEERING
UNIVERSITI MALAYSIA PAHANG

JUN,2015

ABSTRACT

UMP Library System (VB system) is a system build to enhance the existing system. VB system is the VenueBooking system for UMP Library. This system will help user to book the facilities provide by UMP Library. The purpose of this project is to help user to make reservation, to help user make missing book report and will help user to know the upcoming activities. In order to build the prototype, waterfall model is used as the methodology.

ABSTRAK

Sistem perpustakaan UMP (system VB) dibangunkan untuk menambahbaik system sedia ada. Sistem VB adalah sistem penembahan bilik atau kemudahan yang telah disediakan oleh perpustakaan. Tujuan projek ini dilaksanakan adalah untuk membantu pengguna menempah bilik/ kemudahan, membantu pengguna membuat laporan kehilangan buku yang dipinjam dan membantu pengguna dalam memberi informasi tentang aktiviti yang bakal dilaksanakan oleh pihak perpustakaan. Model air tejun telah digunakan sebagai kaedah dalam membangunkan sistem ini.

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CHAPTER 1

INTRODUCTION

1.1 Introduction

Library means a place of gathering all information or resources that can be used as a reference point to users. Library can be seen in many places all over the country. The library can be classified in many categories such as mini library, school library, moving library and state library. In the library there are many reference books, journal, article, and newspaper. Some of libraries have their own computer laboratory, library hall, mini theater, reading hall and mini playground for children. Sometime there are library that offer some services such as printing service, mini theater booking service, hall booking service and so on.

In Universiti Malaysia Pahang (UMP) there are two libraries that place in Gambang campus and Pekan campus. This library gives an opportunity to their student, staff, also the community to find some reference. Some of them like to use the facilities. To make reservation of the facilities user need to make it manually by fill the form that must be download from UMP Library portal or user need to meet person in charge for the facilities. It takes time to make the reservation since they don't know the status of the facilities provide by UMP Library. In this case, user needs to wait for the reply letter from the person in charge. For example, an external go to the library to make reservation manually, but they found out that the facilities that they want to reserve have been booked for another activities. In this case, it shows that they already waste their time just for to make the reservation. So, this system will show the user all the facilities information, the availability to reserve the facilities. The calendar will display the date and time reservation of the facilities at UMP library.

In some cases, the library will hold an activity. Storytelling competition, reading competition, coloring competition and book carnival are some example of the library activities. But they got lack of response from users. It is because the information of the activities did not spread widely. In this system they can make their promotion for the activities that will be held. The interesting interface of the system will help to promote the activities. The increasing promotion will give the good impact to the UMP library. UMP library system also will include the viewable timeslot that will show the activities, availability of borrowing a reference, an announcement and promotion. They will show a different color for different function. Through this function the user will know all the activities that will hold at the library. This viewable timeslot also will show all the detail of the activity. They can see the viewable timeslot without login to this site. This UMP library system will be a friendly page to user. This page will show an interesting interface and it not has much text in it.

1.2 Problem Statement

Library is the most popular place to find the reference, journals and book. But sometime it will make people think twice to go there. It is because they might take a long time to find all references that they want to use. It will waste their time. But if there any system that can show them the list of the reference, it will help them to reduce their time to find references.

The missing books are the most popular issues among the users. Sometimes they do not have time to go to library to make the report about the missing reference. As the solution, they will inform the librarian on the returnable date or after the returnable date. It will make the librarian need to record it manually and burdening others that needs to borrow the same reference. The librarian will take more time to find the solution to replace the missing reference. There are several steps they need to take action when these cases happen.

In every month or couple month the library will hold an activity. Usually, the library will hold the activity during weekend at the end of the month. Sometime they get lack of response from user during the activities. It will waste the money that they got to make the activities. This is because, the promotion of the activities are lack. The users that live outside the Universiti Malaysia Pahang (UMP) did not know about the promotion of the activities. They will know the activities after it happen.

In addition, there are users who need to make a reservation to some facilities, but they need to make the reservation manually at UMP library. In some situation, they did not get to reserve the facilities. It is because the facilities are full reserve during the time that they want to reserve. This situation will make the user waste their meaningful time. In addition, the manual reservations are not efficient to use nowadays. It will make them feel sad and waste their time.

1.3 Motivation

Usually, users will not find the reference at the library during day time. They will go after they finish their daily routine. It is because they need to find the reference manually. It will take more time if they do at day time.

According to this problem, a system will be developing to help the user to find a reference and make a facility reservation. It is challenging to develop this system because it needs a lot of data to be collected. It needs a creative thinking, informative thinking also independent thinking and a lot of idea to build it.

1.4 Objective

The objective of this project is to develop a UMP Library System (VB system). The objectives of the project are:

- To review the existing system and analyze the limitation
- To enhance the existing system in terms of booking room/venue, reports missing/late submission and upcoming carnivals/activities by library
- To evaluate the develop system by compare to the related web

1.5 Project Scope

The project scopes of this project to easy the user to make report about the missing book and the late submissions. With this system, it is more effective ways since the librarian need to update the book information immediately. It is useful for librarian to take an action.

In addition, this system will help users to know the upcoming library activities. It is because the librarian will post the upcoming event or activities through this system.

Furthermore, the users will know the available facilities in UMP library. There is a viewable timeslot that will show the available facilities in UMP library. The system will make the facilities reservation timetable more manageable.

CHAPTER 2

LITERATURE REVIEW

2.1 Introduction

On the chapter 2, this project will be focus on literature reviews. Through Dena Taylor, the writer of 'The Literature Review: A Few Tips on Conducting It', Health Science Writing Centre said that "writing literature review lets you gain and demonstrate skills in: information seeking, critical appraisal". It means in this section lot of data will be collected and ability to use all the information.

In this chapter, the collected information will be divided into several sections. First sections are the comparison between the existing systems and find the lack of those systems. This will show the users availability through the existing system and how they access to existing system.

The last section will explain about the methods will be used in this system. It will use some software to develop it. This system also will use photo editor to make some design to make the interface look more interesting and has useable information. This section also covers on database management system that can store data. To support the systems and the database the suitable can web server will be used.

2.2 Overview of UMP Library System

UMP library important to their students and also important to their external users. The existing systems do not give much information about the library. The UMP library system (VB system) will be develops to give them information.

There are several features in this system such as calendar that will show all the information about the reservation and activities in library. This system will make external user easy to make a reservation of the UMP library facilities. They will know when the facilities are free from reservation.

User can search their reference through this system. It will be done when users use the search engine in the system. It is more systematics than full manual search. They can find the reference quickly than before the existing of this system.

2.3 Existing System Review

There are many library system sites that used in market with different advantage and disadvantages. In this section will show three different website about the library system. These sites are related to UMP library system.

2.3.1   UTHM library

UTHM (Universiti Tun Hussien Onn Malaysia) Library system is the system for library that located at Perpustakaan Tunku Tun Aminah, Universiti TUn Hussien Onn Malaysia. With this site user from UTHM can find their reference through search engine given at this site. There is some information given in this website.

In this site also have some link that directly will connected to others site. This site also shows information about the activities that will be held at the university. But this website show to much information that will make user to get confuse about the information given. There is no reservation for facilities in this system, it means if user want to make reservation they need to meet person in charge for the facilities provided
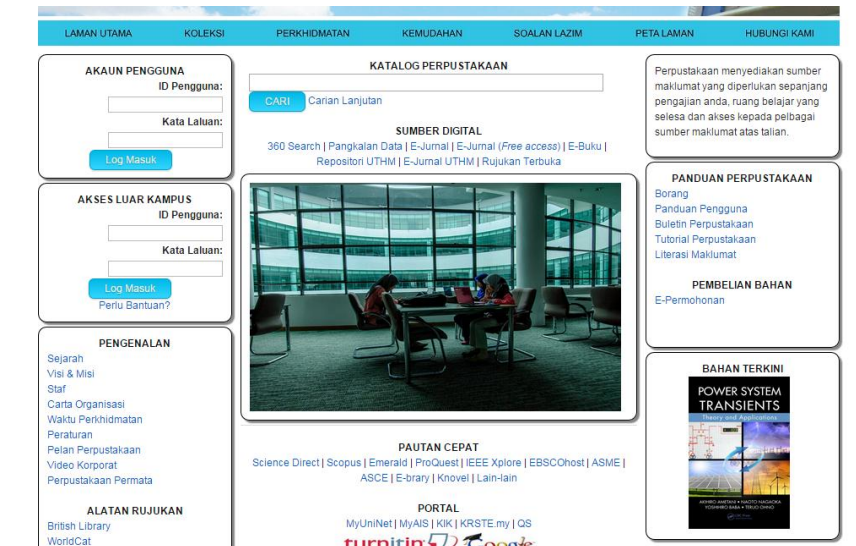
Figure 2.1: Homepage Universiti Utara Malaysia library system site
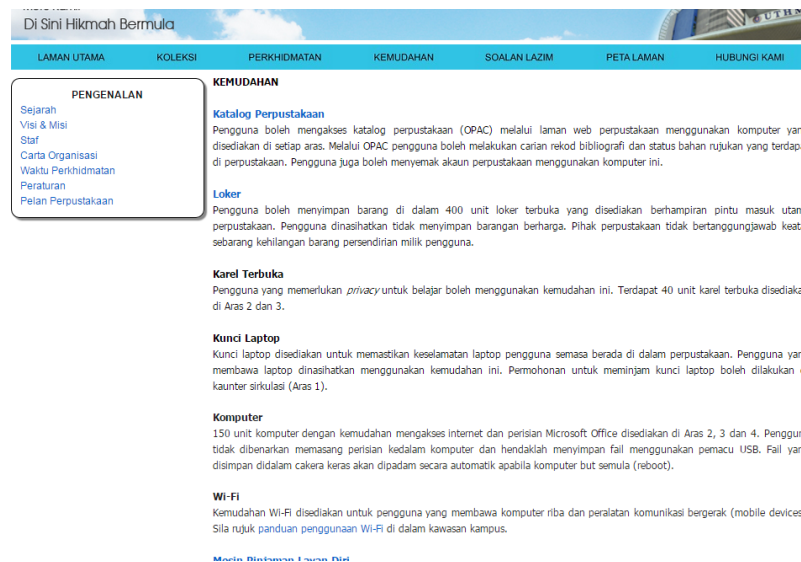
Figure 2.2: Service button.

Figure 2.3: Collection button.

2.3.2 University of Malaya library

This website shows an arrangement of information links. User need to click the link to now the information given. There are several buttons at the top of the page. Those buttons will help user to get their information. The interface for this is not interesting. The unneeded information must be removes because it gives extra information. This site also not provide reservation room or facilities online.

Figure 2.4: Homepage University of Malaya Library

> Ma da xin qing nian: xiao fang ting zhi da ya, cu gui huan da xue sheng zi zhu quan | Sin Chew Daily 6-November-2014
> Ba zi you huan gei da xue | Sin Chew Daily 6-November-2014
> Bu yao qi wang wai guo ren bang wo men / Azmi Sharom | Sin Chew Daily 6-November-2014
> Fu jiao shou tiao zhan shan dong fa wei xian an; gao ting; wu quan shen li, an jian yi jiao fa yuan | Sin Chew Daily 6-November-2014
> Ting bei dui fu 8 Ma da sheng, Xue she qing tuan ming ban sheng yuan da hui | Sin Chew Daily 6-November-2014
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Rehvathy, V.; Tan, M.H.; Gunaletchumy, S.P.; Teh, X.; Wang, S.; Baybayan, P.; Singh, S.; Ashby, M.; Kaakoush, N.O.; Mitchell, H.M.; Croft, L.J.; Goh, K.L.; Loke, M.F.; Vadivelu, J. (2013) Multiple Genome sequences of Helicobacter pylori strains of diverse disease and antibiotic resistance backgrounds from Malaysia. Genome Announc , 1 (5).
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Mahadeva, S.; Chan, W.K.; Mohazmi, M.; Sujarita, R.; Goh, K.L. (2011) Validation study of the leeds dyspepsia questionnaire in a multi-ethnic Asian population. Journal of Gastroenterology and Hepatology , 26 (11). pp. 1669-1676. ISSN 0815-9319
Mon, 10 Nov 2014 02:12:32 +0800
Musa, G.; Seng, W.T.; Thirumoorthy, T.; Abessi, M. (2011) The influence of scuba divers' personality, experience,and demographic profile on their underwater behavior. Tourism in Marine Environments , 7 (1). pp. 1-14. ISSN 1544-273X

Figure 2.5: Homepage University of Malaya Library

Mon, 10 Nov 2014 02:12:32 +0800
Musa, G.; Seng, W.T.; Thirumoorthy, T.; Abessi, M. (2011) The influence of scuba divers' personality, experience,and demographic profile on their underwater behavior. Tourism in Marine Environments , 7 (1). pp. 1-14. ISSN 1544-273X

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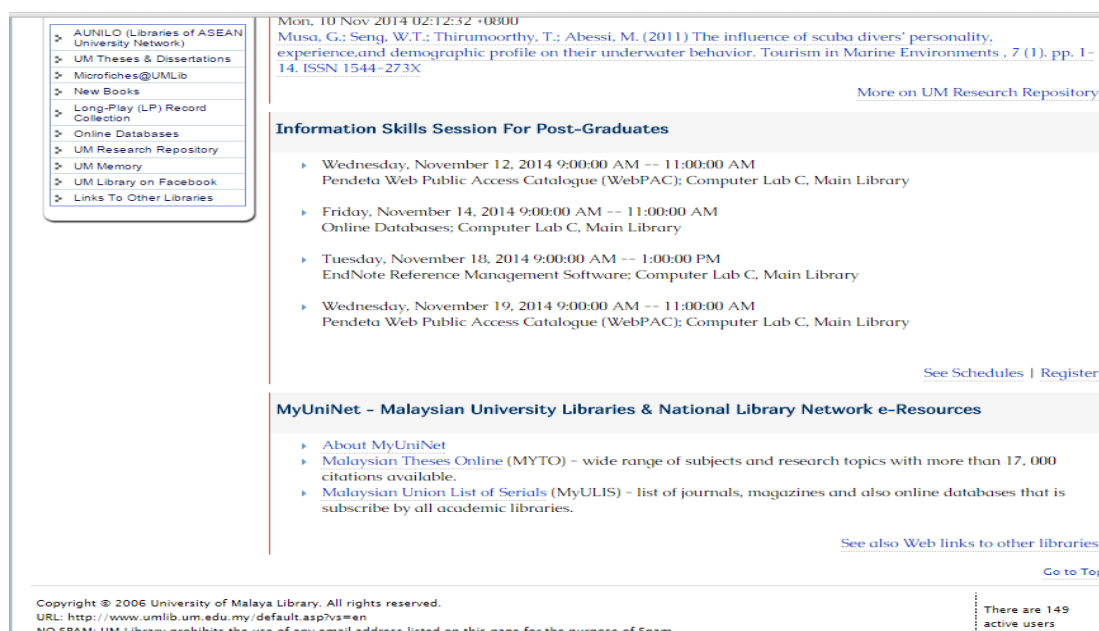
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There are 149 active users

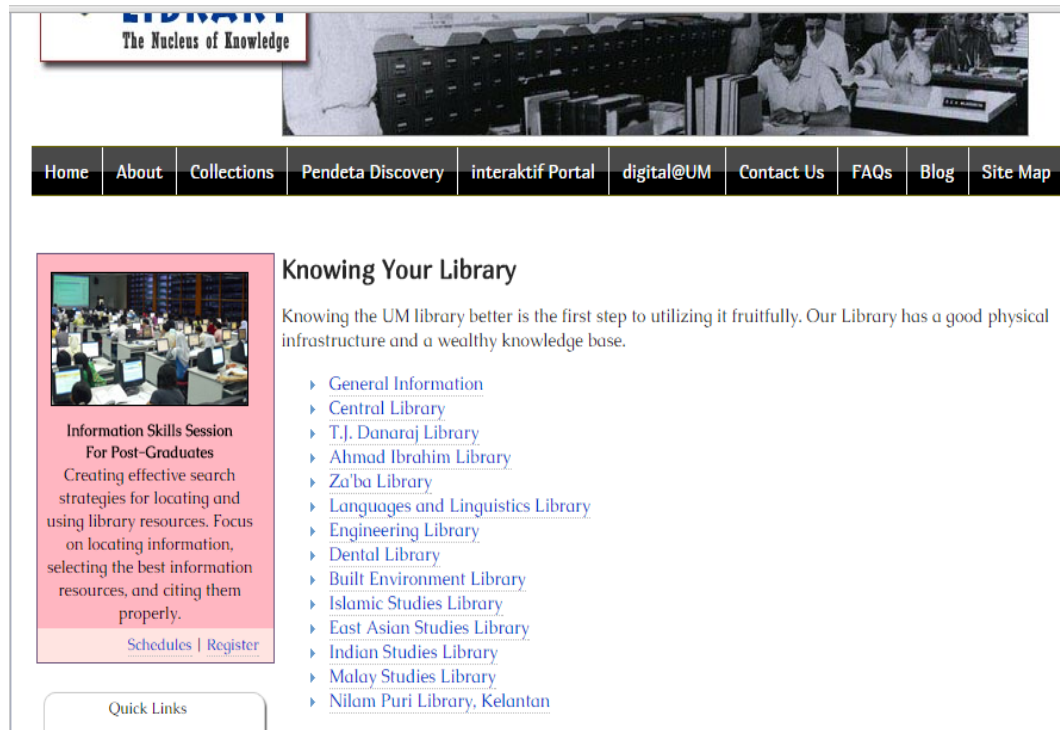Figure 2.6: Homepage University of Malaya Library

Figure 2.7: Button about show the information of the library

2.3.3　UMP library system

In this site user can start searching their reference using the search engine given. This site also contain an updated of new book arrivals. This site does not provide the missing book report and online reservation.