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E_falak syarie "Sistem Persatuan Falak Syarie Negeri Melaka"

ZAMZURI BIN HUSNAN

This report is submitted in partial fulfillment of the requirements for the Bachelor of Computer Science (Software Development)

FACULTY OF INFORMATION AND COMMUNICATIONS TECHNOLOGY

KOLEJ UNIVERSITI TEKNIKAL KEBANGSAAN MALAYSIA

2006

DECLARATION

I hereby declare that this project report entitled

E_falak syarie "Sistem Persatuan Falak Syarie Negeri Melaka"

is written by me and is my effort and that no part has been plagiarized without citations

STUDENT		Date : 23/11/06
	(ZAMZURI HUSNAN)	

(PN SABRINA BT AHMAD)

DEDICATION

To my God, Allah S.W.T.

To my beloved parent, En Hj Husnan Bin Hj Samad, and Pn Hajah Rosminah Bt Hj

Sandiman.

To my supervisor, Pn Sabrina Bt Ahmad

ACKNOWLEDGEMENTS

Alhamdulillah, Thanks to Allah s.w.t, finally I have completed the Projek Sarjana Muda II (PSMII). I would like to express my gratitude to my supervisor, Pn Sabrina Bt Ahmad, whose expertise, understanding and patience added considerably to my success of completing this PSM II. I appreciate the vast knowledge and skill in many areas and the assistance in writing and completing this report. I would also thank my friends in and outside from Kolej Universiti Kebangsaan Malaysia (KUTKM) for their exchanges of knowledge, skills and venting of frustration while completing my PSM II which helped enrich the experience. Although many people have contributed to this PSM II and have helped to complete it, I take sole responsibility for any errors.

I also want to thanks my panel Prof Madya Shahdan b Md Lani. Lastly I would like to thank every one who helped me to finish up this proposal and also help me to complete my Projek Sarjana Muda II (PSM II)

ABSTRACT

The primary purpose of preparing this Projek Sarjana Muda II (PSM II) is to fulfil Bachelor of Computer Science (Software Development) in Kolej Universiti Teknikal Kebangsaan Malaysia (KUTKM). This thesis contains a complete analysis about Projek Sarjana Muda II. This thesis also discusses and describes all activity and process of system development. The e falak syarie is a web-based application that allows users to access the web to get information and user can registration the association with online. This system is hope that can promote the association and management the association. Besides that, this system can increase the utilization of ICT technology in the society of Malaysia. Some literature review has been done to determine the scope, technologies and approaches used in this project. Prototaip Model has been chosen as a methodology for this project and will be implemented along the system development process to ensure the objectives of the project can be fulfilled. The use of chosen methodology has helped to produce a better quality product, in term of software. With the implementation of the latest technology such as web services, the system was not only expected to be workable, but also efficient in terms of execution speed and response time. The design of the system was dynamic and was able to support concurrent users to interact with the system over the internet.

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CHAPTER I

INTRODUCTION

1.1 Project Background

e_falak syarie"sistem pengurusan Persatuan Falak Syarie Negeri Melaka", is ment to provide for new member to register as a new member in Persatuan Falak Syarie Negeri Melaka. Who want to joint the members, just register in online on portal www.al-azim.com. As we know, who want to joint falak association they must come to Mufti Office to make the registration.

1.2 Problem Statement(s)

Currently, Persatuan Falak Syarie Negeri Melaka is still using a manual system in their management. There are some problems in the previous system that identified and can be state in the document. The problems are as stated below

Having problem in delete record by using manual management system.
 Using the manual system, data are not able to be deleting directly. User searches the data or information in the file for deletion.

2. Time consuming

Manual management is time consuming. As an example, if all the information and data recorded in the paper, and if it has a simple mistake, we have to reenter the data or information. In other words, we cannot correct the wrong data once we have record it.

3. Updated data

Unable to update data directly to the system because data save at the file, user search the data or information for update data. This process will take some time to update the simple mistake.

4. Untidy record arrangement

Using paper will make an untidy record because the process is all depend to the worker or user. Not all worker and user have a nice hand writing. In addition, the records maybe lost or being placed in wrong place because people always make a mistake.

1.3 Objective

Every project must have its own objectives, to ensure the project can be developed and run smoothly. Objectives must be stated clearly so it will not only ease for the system developer, but also others who involve in this project. Below are the objectives of this project.

a) To solve occurs any mistake.

When using this system, that is "e_falak syarie "Sistem Pengurusan Persatuan Falak syarie negeri Melaka"" with method electronic, this entire mistake can be solving. All data and information key in using the computer and save at database. User can edit the data or information, when user or admin mistake key in the data. This is user friendly.

b) Saving the time.

The system can manage all members and activity "Persatuan Falak Syarie Negeri Melaka". All information and data save at the database. User only should key certain for search information members. The current system using the filing system and difficult to search information members and manage activity members.

For register members join the society. User have to come at Jabatan Mufti Negeri Melaka for get the form and fill the form or user search web bourse http://www.al-azim/khawarizmi/borang.pdf for print and fill the form, then submit the form at the Jabatan Mufti Negiri Melaka. This process will take some time.

c) Computerized all manual join activity system.

Replace the manual method of join activity. The benefit of computerize this system is it can reduce both user and management time process to make join activity and to handle the new activity "Persatuan Flak Syarie Negeri Melaka". User can register join activity with online and admin can get how many people who want to joint the activity. The data save in database easy to handle or make backup. Its can avoided the data saved lost or damage.

d) To make sure list management record.

Any input or output displayed from management in the list.

e) The system is user friendly.

The system use the icon to easy using the system. This system needs each staff key in the data. In this case it's fulfilling the concept of user friendly.

1.4 Scopes

Scopes of the project is very important as to make sure the project development will achieve its goal. It give some overview on what the project goal is all about, the content of this project, limitation and functionalities of the project that want to be develop. Each project has their on scope based on requirements and facilities that they have. Below are the scopes defined for this system.

The Authentication Module

Only authorized user with the correct identification and password can only access this system. Their username and password has to verify by the system. This is to ensure the system is highly protected.

· Members Registration

Before the users can join the society, they must register as a new member. After that, user must pay for the register fee to activate their account. After they solved the registration and payment process, they'll confirm as the member"Persatun Falak Syarie Negeri Melaka"

Fee Payment

User must pay fee after registration follow by type members, "Persatuan Falak Syarie Negeri Melaka". User can pay fee using online payment. The society divide 3 type, that is common, student, federate, and rest of life. User must pay every year the fee, if not, the account user deactivate.

Management activity

Every activity at the "Persatuan Falak Syarie Negeri Melaka" upload at the web site, all members can view activity and follow the program. User can get information about the activity Persatuan Falak Syarie Negeri Melaka. User can register join activity with online and admin can get how many people who want to join the activity.

1.5 Project Significant.

The system developed on their functionality that the user need. In this context, the system that develops will be fulfilling certain functions that will help administrator at the Jabatan Mufti Negeri Melaka.

This project is also make benefit to administrator for manage society at the Jabatan Mufti Negeri Melaka. User can register as new member online.

The system can be manage all program activity and attract more people to enter the "Persatuan falak syarie negeri melaka". The system can be introducing "Persatuan falak syarie negeri melaka".

1.6 Conclusion

When this system fully complete, it will definitely help the user to register and admin at the Jabatan mufti manage activity e_falak syarie"Persatuan falak syarie". The system can be control all program "persatuan falak syarie".

The system can bring the information about new activity at the members "persatuan falak syarie". The members "Persatuan persatuan falak syari" only search at the portal www.al-azim.com to know new news and activiti "Persatuan falak syarie"

After this, the next chapter that will be provided is Literature Review and Project Methodology. This part will review the previous project and make a comparison with project that has been proposed. Besides that, this chapter also explains about the methodology that will be used in this project.

CHAPTER 2

LITERATURE REVIEW AND PROJECT METHODOLOGY

2.1 INTRODUCTION

This chapter will describe literature review and project methodology. In literature review, it will describe on e_falak syarie "Sistem pengurusan persatuan falak syarie Negeri Melaka" The literature review is conducted by searching, collecting, studying, and analyzing the sources such as books, journals, and web pages. While methodology is the way to use all available approaches, techniques and tools used to achieve predetermined objectives and it is determined by the project features and environment.

The first topic be discussed in literature review is fact and finding based on the project title of the system. For the project methodology, this part can explain about what method will be used to develop the project and the project that will be developed followed with the project schedule and milestone.

2.2 FACT AND FINDING

2.2.1 Domain Background

In this part will discuss detail about the domain system background. For this system, the main domain is about e_falak syarie. Before the users can join the society, they must register as a new member. After that, they'll get the account number and pay for the register fee to activate their account. After they solved the registration and payment process, they'll confirm as the member"Persatun Falak Syarie Negeri Melaka". Basically, users register members online and pay the fee at the Jabatan Mufti Negeri Melaka. But some of them, internet can used as a medium to get the information. For get information to develop the system, questionnaire and interview about the factor of member join the association e_falak syarie.

2.2.2 Case Study

The "Persatuan falak syarie Negeri Melaka" is appointed to be used by Jabatan Mufti Negeri Melaka. The system is focused by show information about the falak syarie, and show the live video cerapan hilal from Khutbah Balai Cerap Alkhawarizmi Negeri Melaka.

Kutbah Balai cerap Al-kharizmi Negeri Melaka is most popular at negeri Melaka. Many people to visit Balai cerap but they did not information activity at the Balai Cerap.

2.2.3 Case Study to review of Existing System

Case Study 1 http://www.al-azim/falak/index.html

For this study, the researches are based on the contribution and outcomes from previous study. This web based is developed portal al_azim that offers such as introduction and bulletin.

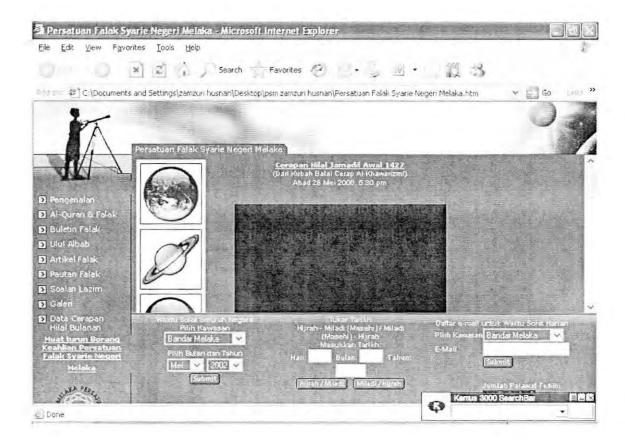


Figure 2.1: http://www.al-azim/falak/index.html

Case Study 2: http://www.al-azim/khawarizmi/borang.pdf

For this study, the researches are based on the form. For register members join the society. User have to come at Jabatan Mufti Negeri Melaka for get the form and fill the form or user search web bourse http://www.al-azim/khawarizmi/borang.pdf for print and fill the form, then submit the form at the Jabatan Mufti Negiri Melaka. This process will take some time.



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Figure 2.2 :example form Persatuan Falak Syarie Negeri Melaka

Benefit of the existing system:

- Did not to register first to access the information.
- · Easy to use
- · Always update the information.

System Constraints

After review the website, that have a few constraints to users when their use it. For http://www.al-azim/falak/index.htmlwebsite, show information about the falak syarie, and show the live video cerapan hilal from Khutbah Balai Cerap Al-khawarizmi Negeri Melaka. Users don't know join the society.

http://www.al-azim/khawarizmi/borang.pdf website give form "Persatuan Falak Syarie Negeri Melaka". Users search the web site and print the form. Then user fills the form and submits at Jabatan Musti Negeri Melaka. This process will take some time.

2.2.4 Analysis and Findings

After review some of the question system that are applied at any organization, more features are included in order to simplify the process flow. There are many methods and style in processes and tools that are being used to organize the system in the World Wide Web.

Obviously, after do a review from other exist system, benefit of the existing system, system constraint and process flow that are used is exciting because implicates the technology usage. All the process flow is identical only the implementation and appearance is different.

After compare the current system with proposed system, type of implementation is not too much different. But, for propose system, features are added in order to overcome the problem that occurred in e_falak syarie management system. .

Comparison between existing and proposed system:

I. C.	http://www.al-azim/falak/index.html & http://www.al- azim/khawarizmi/borang.pdf	e_falak syarie "Sistem Pengurusan Persatuan Falak Syarie Negeri Melaka"
Interface	User Friendly	User Friendly
Security	Not Secured	Secured
Function	 Easy to use No user friendly because users don't know join the society. (www.al-azim.com) Registration using form (www.al-azim/khawarizmi/borang.pdf) 	 Easy to use and systematic with the additional function. Users know join the society. Registration online
Objective		Build to manage members and control activity society and introduced al-khawarizmi.

Table 2.1: Comparison between existing and proposed system

2.3 PROJECT METHODOLOGY

The methodology use in this project is OOAD (Object-oriented System Analysis and design) approach using UML (Unified Modeling Language) notation. UML is is preferred as it provide "a relatively simple diagram that supported by written information in the form of use case descriptions" (Bennet et al., 2002a) and "become more widely accepted as the common language for system modeling" (Bennet et al., 2002b). Beside that, UML enable iterative style of development rather than structured methodologies such as SSDAM. "The main difficulty of structured methodologies in general is the most remain tied of waterfall life circle. This runs directly counter to the natural, iterative development for object oriented software and makes it very difficult for a structured analysis and design approach to lead to an object oriented implementation" (Bennet et al., 2002c).

The development of the project consists of five SDLC (Software Development Life Circle) stages, which are Analysis Phase, Planning Phase, Design Phase, Implementation Phase and also Testing Phase.

Analysis Phase encompass of data collections, chapter 1, 2 and 3 implementation. The main things to be captured in this phase are understanding the key functionality and deciding process to follow and what tools to be used. After the project proposal had been accepted, the project started by capturing requirements. All requirements will be compiled for producing use case model. Data collections gathered to contribute the completion of this phase which had been done by two methods, which are research done via internet searching and also research done at the library. Chapter 1 and 2 are implemented by reading through the sources gain and highlight the points related with the project title, prepare the chapter properly based on the format and finally submitted to the supervisor. Chapter 3 done by read through Chapter 1 and 2 for revising the basis thing of the system, brainstorming on the problems and requirements of the project, preparing the chapter and finally submits to the supervisor. The amendments of the requirements will bring up for discussion and suitable adjustment will be done.