

E-MASJID (COMMUNITY)

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## DECLARATION

I hereby declare that this project report entitled

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Is written by me and is my own effort and that no part has been plagiarized  
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## DEDICATION

I would like to dedicate this project to my family, lecturers, and friends. A special feeling of gratitude to my beloved parents, Sahir bin Kaspan and Siti Rahmah binti Jaafar for supporting me all this time. I also want to dedicate this project to my supervisor, Madam Hidayah binti Rahmalan for all her helps, support, and patience in guiding me to finish this project. I dedicate this work to all my friends that help me out during the development of this project and give me moral support to finish it. All of you have been a great support to me.

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## ABSTRACT

This E-Masjid project was aimed for the muslim community to allow them use some of the services provided by the mosque through online and to make the community aware about the activities or events that are being held at the mosque or among the community. A community around a mosque is called kariah. Nowadays, the bond between kariah's members are weak due to their busy lifestyle. To allow the members receive the information regarding any activities around the community, the project was developed as a web based system that allow user to access from anywhere and anytime. The system was designed using Object Oriented Architecture and to maximize its potential, agile method was implemented. This system was developed on Windows 8 platform using software such as Notepad++, Adobe Dreamweaver, Wamp server, and Google Chrome. PHPMyadmin database was used to store and support the system. The system was developed until Version 4.0 and tested using black box method. The testing was conducted by other web developers to find errors and bugs in the system. They were split into three type of users which are the new unregistered member, registered member, and admin. Feedbacks were collected from the user and has been analysed. As a conclusion, the system has met all of its objectives even though there are still plenty of things that need to be improvised.

## ABSTRAK

Projek E-Masjid ini bertujuan untuk membolehkan masyarakat Islam menggunakan beberapa perkhidmatan yang disediakan oleh masjid menerusi talian dan untuk membuat masyarakat sedar tentang aktiviti atau peristiwa yang diadakan di masjid atau di kalangan masyarakat. Masyarakat sekitar masjid ini disebut sebagai kariah. Pada masa kini, ikatan antara ahli kariah adalah lemah disebabkan oleh gaya hidup yang sibuk. Untuk membolehkan ahli kariah menerima maklumat mengenai sebarang aktiviti yang akan diadakan, projek ini telah dibangunkan sebagai satu sistem berasaskan web yang membolehkan pengguna mengakses dari mana-mana sahaja dan pada bila-bila masa. Sistem ini telah direka menggunakan Seni Bina Berorientasikan Objek dan untuk memaksimumkan potensinya, kaedah *agile* telah digunakan. Sistem ini telah dibangunkan di atas pelantar Windows 8 menggunakan perisian seperti Notepad ++, Adobe Dreamweaver, Wamp Server, dan Google Chrome. Pangkalan data PHPMyAdmin telah digunakan untuk menyimpan dan menyokong system ini. Sistem ini telah dibangunkan sehingga Versi 4.0 dan diuji dengan menggunakan kaedah kotak hitam. Ujian ini telah dijalankan oleh pembangun web lain untuk mencari kesilapan dan kesalahan dalam sistem. Mereka dibahagikan kepada tiga kumpulan pengguna iaitu ahli baru yang tidak berdaftar, ahli berdaftar, dan admin. Maklum balas yang dikumpul daripada pengguna dan telah dianalisis. Kesimpulannya, sistem ini telah memenuhi semua objektifnya walaupun masih banyak perkara yang perlu dibaiki lagi.

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## CHAPTER I

### INTRODUCTION

#### 1.1 Project Background

At the time of Islam where the leader was our Prophet Muhammad S.A.W, the mosque holds one of the most important role in Islam. Generally, it can be concluded that the mosque became the focus of the society at the time because it is the center of most of the socio-cultural activities of the muslim community [1]. Some other roles of mosque other than a place for praying back then were:

- a major education center,
- a place of meeting and interaction of all muslim festivals where, leisure and sporting events are held,
- a base to prepare for war and treat the wounded mujahidin,
- the court and the place sentence are carried out, political and administrative center, and also a place where foreign delegates were welcomed and entertained,
- charity for the poor and as a shelter for the homeless,
- the place where the business of buying and selling some or economy on the run.

Nowadays, the roles of mosque to the community are decreasing compared to at the time of Prophet Muhammad. Today, mosque are just a place for praying and a place where islamic talk are being held. Mosque are no longer the center for muslim community. The muslims need to realize, mosque is a very important place and institution. It is more than just a place for praying but also for learning, social, and events. Many projects and efforts have been done to give awareness to the muslims such as islamic websites like ‘ *e-masjid* ’. These websites can be named as electronic or virtual mosque. They provide services that a real mosque does but virtually. Since it is still new, it does not support community needs and less attractive. Unfortunately, portals for entertainments websites such as Beautiful Nara, Oh! Media, Oh! Artis, and other websites are making these islamic websites being ignored and unseen. Gossips and romurs are what breaking up the community and most of those websites are actually providing it. Therefore, the community need something to strengthen their bonds and keep unity solid.

Human is a social being, living in a society and like to share happiness and sorrows with other people such as family, freinds, and neighbors. This wish or feeling of togetherness and belonging leads to create a community as a whole [2]. A sense of comunity is important to establish peace and harmony among the society. Not all members in the community are nice and caring, there are people that less care about the others. In this case, tolerance are important to keep peace between neighbors. Other than that, the very big part of community is on the cooperative between members. When the bonds between members are strong, they can work and cooperate with each other easily and happily.

In addition, these days most people have busy and pack lifestyle. Some of them want to join the community but did not have the opportunity to do so. As a result, they miss most of the events due to lack of time or they were not being informed. Therefore, this website can help to solve most of those problems. Mosque Community System is specially aimed for a small muslim community. The purpose of the website is to strenghten the islamic community by doing it virtually .It provides schedule for the events such as islamic talk, wedding, aqiqah, qurban, and many more. Other than that, this system also provides information about what currently happening in the community and news that are need to be spread such as



death, sickness, and so on. With this system, people can still know and can take part in the community even with busy life.

## **1.2 Problem Statement**

People with busy lifestyle often miss the opportunity to join the activities at the mosque or the events held within the community. This is because the events information are normally posted only at the mosque and spread by conversation between the neighbours. In addition, members within the community may have problems on planning their own event as they might unintentionally missed to invite their own neighbours. Sometimes the events clash and the people in the community need to choose where to go and help and which one to attend first as these might hurt the host. Other than that, the people in the community also unaware about the problems of their neighbours. There might be someone that is sick and need help or even death. The news spread slowly and some people may not even know about it.

## **1.3 Objectives**

- To allow community use some of the services provided by the mosque through online
- To make the resident aware about the activities or events that are held at the mosque and among the community

## 1.4 Scope

- The local muslim community (*kariah*) around the mosque as the members
- The committee member of the mosque as the admins

## 1.5 Project Significance

The benefits of this system will go to the muslim community around the mosque. After the system is deployed, they can access all the related information easily on the internet. Other than that, the admins of this system which are the committee members of the mosque will also have the benefits. They can publish their activities schedule in the system so that the community members can see it and eventually join the activities.

## 1.6 Expected Output

As this website is completed, this website will provide services for end user (community members) such as user registration, login, announcement form for user, application form to borrow items from mosque, and class enrolment. For administrator side of view, there will be services like login, event form, update committee positions, imam and bilal scheduling, upload khutbah slide show file, class management, and application approval for borrowing items.

## 1.7 Conclusion

A mosque is a holy place for the muslims. Many islamic social activities are held at the mosque in a year but some people have trouble joining the programs because of busy life style or other reasons. Some of them have the trouble to get the information about the activities. With this system, the admins can post the details of the activities and make announcement about it. Therefore, the information can be spread faster, fair, and easier. The next chapter will explain briefly about the literature review and the developement methodology.

## CHAPTER II

### LITERATURE REVIEW AND PROJECT METHODOLOGY

#### 2.1 Introduction

Most of the resident having problem to know the activities that are going to be held at the mosque. Usually all the activities will be announced at the bulletin board and only known by those who went to the mosque. For people who get back late from work, they hardly able to join the mosque community and always miss the chances to participate in the activities. There are many websites that became a medium for these people to help them join virtually with the real community. In this case, the focus is on the e-masjid that give out the informations about the activities that are going to be held. There are many e-masjid websites available on the internet, but not all of them fulfill the needs of muslims user.

The method that will be used to create this system is the Agile Software Development method. Even though this method is much more suitable for a project that are operating as a team, it is still appropriate to be used in this project. This is because the system has been breakdown to few small parts to make the development process easier. Basically, the website will be used by the community members as the user and some of the mosque committee will be the administrator. Each part has its own smaller modules. These smaller modules represents functions that the website can do such as registration for new user, announcement form, application form to borrow mosque's goods, and many more.

## 2.2 Facts Findings

### 2.2.1 Domain

A *kariah* member is a person who lives permanently or ordinarily residing in an area. *Kariah* can also be considered as a type of community that focusses on the people who live in a certain area of a mosque. According to Michael Young (1950), in his book on Bethnal Green, described an incredibly intimate, intense neighbourhood, where everyone knew each other and there was very strong mutual support. When people walked through a park, everyone was their friend, but they very rarely travelled outside the neighbourhood and therefore saw the rest of London, or even neighbouring districts, as pretty alien. A person cannot just be by themselves and do not interact at all with other people. Human nature makes people want to interact with each other and fill the needs or weakness that other has.

In a website called Knowledge in The Public Interest (KPI) [3], it stated that “An e-Community is like a virtual village-without borders but with a well-defined structure and purpose. It is a place where a select group of people come together to collaborate over a period of time, in order to achieve very specific outcomes.” Today, a community that have both online and off-line interactions are a very good community especially when many people with busy lifestyle. Some examples of these communities that are commonly found are such as student community, company workers community, and alumni community.



*Figure 2.1 Examples of e-Community [4]*

Figure 2.1 displays a few types of e-Community system available nowadays. Most of these system does not represent real physical community, they are people from around the world group together to form a virtual community.

### **2.2.2 Existing System**

There are many available e-masjid web sites that are on the internet, one of them is emasjid.org. This web site offer the most useful functionality and usability for the user. The pages were nicely designed and it is easy to use. But it still have some weakness and not suitable to be used for a mosque community. Basically, the web site only display the information about the mosque's activities and does not engaging other people to interact with the system. A good e-community system should allow the user to have interaction such as chat or forum to show that it is a community. The emasjid.org lack from this perspective because it does not have the functionality that can prove the users are in a community.

Table 2.1 List of e-masjid websites with services provided

Website	Origin	Event Info	Announcement Form(User)	Class Info	Borrow Item Form
<a href="http://masjid.melaka.gov.my">http://masjid.melaka.gov.my</a>	Malacca	√	X	X	X
<a href="http://e-masjid.jais.gov.my">http://e-masjid.jais.gov.my</a>	Selangor	√	X	X	X
<a href="http://emasjid.sarawaknet.gov.my">http://emasjid.sarawaknet.gov.my</a>	Sarawak	X	X	√	X
<a href="http://emasjid.org">http://emasjid.org</a>	Not Stated	√	X	√	X
<a href="http://www.jmicnj.org">http://www.jmicnj.org</a>	New Jersey (US)	√	X	√	X
<a href="http://www.islamiclandmarks.com">http://www.islamiclandmarks.com</a>	Not Stated	√	X	X	X
<a href="http://eejmmc.wordpress.com">http://eejmmc.wordpress.com</a>	New York (US)	√	X	X	X
<a href="http://www.markhammasjid.ca">http://www.markhammasjid.ca</a>	Markham (Canada)	√	X	√	X
<a href="http://www.emasjid.net">http://www.emasjid.net</a>	Not Stated	√	X	X	X
<a href="http://www.alhudacenter.org">http://www.alhudacenter.org</a>	Minneapolis (US)	√	X	√	X

Table 2.1, shows a selected list of the e-masjid websites which are compilation of mosques from various state around Malaysia and from other countries. But more than half of the websites are for a specific mosque around the world. Each of these websites provide multiples of services but only few meets with the perspectives of an e-community. A good e-community website should allow the community members to interact and share information between them.

### 2.2.3 Technique

An e-community model is a method of developing an online presence in which several individuals or groups are encouraged to join and participate in ongoing interaction designed around a common purpose [5]. Internet communities offer the advantage of instant information exchange that is not possible in a real-life community. This interaction allows people to engage in many activities from their home, such as shopping, paying bills, and searching for specific information. Users of online communities also have access to thousands of specific discussion groups where they can form specialized relationships and access information in such categories as politics, technical assistance, social activities, health, and recreational pleasures. Virtual communities provide an ideal medium for these types of relationships because information can easily be posted and response times can be very fast. Another benefit is that these types of communities can give users a feeling of membership and belonging. Users can give and receive support, and it is simple and cheap to use.

#### Five Modalities of Community Participation



*Figure 2.2 Example of Community Needs [6]*

Figure 2.2 shows the interaction development that should exist in a community. A good community should have all of these elements to create a harmony environment.