

M-FARAIID MOBILE APPLICATION

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

FACULTY OF INFORMATION AND TECHNOLOGY
UNIVERSITI TEKNIKAL MALAYSIA MELAKA 2013

I hereby declare that this project report entitled

M-FARAID MOBILE APPLICATION

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

This Report of “Projek Sarjana Muda” is dedicated to my beloved parent who has been my pillar or support in completing this report. They have help and supports me term of idea, encouragement, inspiration and advice. Without them, it would be very difficult in term of mental and physical to complete this project.

ACKNOWLEDGEMENTS

I would like to acknowledge the contributions of the following group and individuals to the development of this Projek Sarjana Muda:

This project would not have been possible without the support of many people. Many thanks to my supervisor, Mrs Azilah Bt Muda , who read my numerous revisions, encouragement, guidance and support from the initial to the final level enabled me to develop an understanding of this project.

Also thanks to my parents, Mohd Zabawi Abdullah, and Mashitoh Abd Rahman, who offered guidance, support, love and providing me with the financial means to complete this project..

Thanks to the Universiti Teknikal Malaysia Melaka for giving me a new experience in the completion of this project And finally, thanks to my numerous friends and those who endured this long process with me, always offering support and motivation.

ABSTRACT

M-Faraid application was developed for use by public especially muslim people, non-muslim can also use M-Faraid application as references. The main objective of the development of this application is to overcome the problems exist in the current manual system. This application use mobile phone as a medium which is accessible anytime and at anywhere.

This application will be developed as a standalone platform and will be created using visual basic, adobe Photoshop and adobe illustrator. The target users of this system are public. Generally this application explains about background project, methodology that will be used, how the analysis executed, design and interface, implementation and testing of system. The standalone application becomes systematic. Besides, extra features in the application such as audio, video, Doa and Hadith.

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CHAPTER I

INTRODUCTION

1.1 Introduction

With the rapid development of information technology, a mobile application has become the significant instrument in assist the people to solve the problems that encountered. Accordingly, Islamic based application is also growth rapidly.

There are a lot of Islamic mobile applications that are developed such as M-Umrah, Personal Health Care and CareerBuilder. Mobile application in Islamic funeral is an application that is developed with the purpose to give guidelines to the users on the steps in Muslim's funeral rites and also the things related.

The justification of the development of this system is also to change the mentality of our community about the Muslim's funeral rites. Besides that, this application can also give convenience to the user in dividing property of the deceased based on the Islamic method, which is "Faraid". By using "Faraid", the user can find out information about who has the right to receive deceased's properties and how much they receive.

This application consists of two main functions which are the guidance about funeral rites and the division property using "Faraid" method.

1.2 Objectives

To complete this project, there are a few objectives that need to be fulfilled. These objectives then will lead to the project success. The objectives of the project are:

- i. To produce an android Islamic application that can be used anytime and anywhere by using the smartphones.
- ii. To guide the user to the process of funeral rites.
- iii. To solve the problem of property management.

1.3 The Scope and Limitations of work

This system is developed to facilitate the public to know details about the faraid and Islamic funeral. This system is dedicated to all parties no matter old or young, especially the Muslims. However, the non-Muslims can also use this system as a reference and to know Islam better.

This system will have four modules which are faraid's calculation, Islamic funeral rite, hadis and doa. This system helps the users with calculation by using faraid method and funeral rite. This system is more users friendly and easier to be understood.

There are few limitations of the application that the users will have;

- i. User's will need Android 2.0 application to use this application
- ii. Application did not use any database so user cannot save their Faraid's data.
- iii. Application has a large size. 10MB++

1.4 Problem statement

Nowadays, nothing is more important than the equipment or applications that can make life easier for human beings. No matter where we live, what our status, and who we are, most people want an easy life and effective. There are also other applications that have been developed to solve Faraid problem, but it does not meet the requirements of users. Furthermore, most of the people do not have opportunities to use it. Below is the problems that are identified and M-Faraid is developed to solve this problem in order to achieve the project objectives:

- 1) There a lot of books about funeral rite, but not many have time to read the book.
- 2) Nowadays, there a lot of people that does not care about funeral rites and the division of property according to Islamic rules.
- 3) Most of the people do not refer to the faraid's law properly, there are irregularities in the distribution of property.

1.5 Methodology

There are basically three approaches in information system development area: process-oriented, data-oriented and object-oriented approaches (Jian, 2001). An object oriented approach is aimed to be used as a project methodology for this project development.

According to Jian (2001) unlike its two predecessors that focus either on process or data, the object-oriented approach combines data and processes (called methods) into single entities called objects. Objects usually correspond to the real things an information system deals with, such as users. Object-oriented model is able to thoroughly represent complex relationships and to represent data and data processing with a consistent notation, which allows an easier blending of analysis and designed in an evolutionary process. The goal of object-oriented approach is to make the system elements are more reusable than previously, thus improving system quality and the productivity of systems analysis and design (Hoffer et al., 2002).

The most suitable methodology for M-Faraid is from the object oriented methodology that is the Rational Unified Process (RUP). RUP is a modern process model derived from the work on the Unified Modeling Language (UML) and associated process.

The Rational Unified Process is a guideline on how to effectively use the Unified Modeling Language (UML). UML is an industry-standard language that allows us to clearly communicate requirements, architectures and designs. The UML was originally created by Rational Software, and is now maintained by the standards organization Object Management Group (OMG) (Booch et al., 1998).

1.6 Project Conclusion

By doing this project, M-Faraid will be an important application to all Muslims, they should have because this application can help them to learn about Islamic teachings. Furthermore this is the phone application does not burden the user because the user does not need to carry bulky books to learn faraid and Islamic's funeral. Instead, they just need to install this application in their mobile phone. . This application will be built following the RUP methodology to ensure the successful of the process involve in the system.

1.7 Report Structure

This report gives explanation and ideas about the system designed. Generally, this report is divided into 4 chapters to help readers understand the whole project easily.

Chapter I provide briefly explanations and introduction of the project. Chapter II includes the project theory, perspective, methods that are used to solve problems, and reference material. Chapter III describes methodology for this project.

Chapter IV will discuss the project results and the data analysis for this project. Chapter V discusses the product developed. This chapter will state the project's conclusion and gives suggestions to improve the project.

CHAPTER II

LITERATURE REVIEWS

2.1 Introduction

This chapter will explain the basic concept and theories related to the development and implementation of the project. Apart from that, this chapter will discuss the operation and disadvantages of the existing systems.

Around the world, there are many facilities to facilitate human either traditional or modern methods. In this modern age, we are using technology-based facilities to help us in our daily lives. There are various mobile phone applications to help us. However, there is less application based on islamic rules. I have used this opportunity to introduce an application to help people get to know and learn about funeral rites to help them to calculate the distribution of property by using Faraid method. There are similar systems to for funeral rites developed previously, but all of it were developed using web based and it is not systematic. The main problem is not everyone has the internet at home or on their mobile phones. Therefore, a system that uses internet and web based is no difference to the book.

2.2 Fact Finding

2.2.1 iPray

Muslims observing Ramadan can keep up with ancient traditions using high-tech offerings on their iPhones and iPads, including the iPray and iQuran apps that remind users of prayer times. The "Find Mecca" and "mosque finder" applications help Muslim travellers in unfamiliar cities find the nearest place to pray. We found that the system that were built gave benefits to the people in Arab and facilitate them with “mosque finder” and “Find Mecca”. A remark quoted by James Ortun (2012) says :

"When I saw these applications for the first time, I thought: this is amazing,"

"Whoever came up with this idea: God bless him or her."

The applications are not just for Ramadan; there are Islamic-themed programs that help users find the nearest Costco offering foods prepared according to Islamic dietary rules, learn the correct Arabic pronunciations in a daily prayer, or count how many pages of the Quran they have read that day - all on a mobile phone. We found that the application has provided advantages to the people in Arab for example they can locate the location of mosques and the ‘qiblat’.

2.2.2 Smart Phone Technology

Presently, the smart phone is growing fast, and the potential of this smartphone will change from time to time. It will allow you to run more demanding applications, can surf the web quickly, and many interesting functions can be performed easily.

Small and medium-sized businesses require more effort to thrive. Small business entrepreneurs need to be in several places at the same time for business purposes. Moreover, dealers also need to think creatively bound to attract more users. Smartphones are devices with the help of which the user can multi-task. “Smart Phone Technology”. Technology, 18 February 2011
<<http://www.articlesalley.com>>

2.3 Literature Review

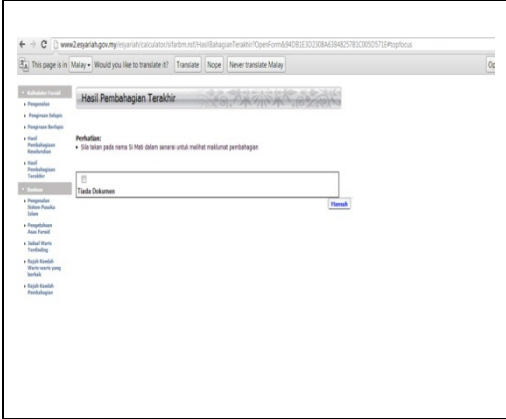
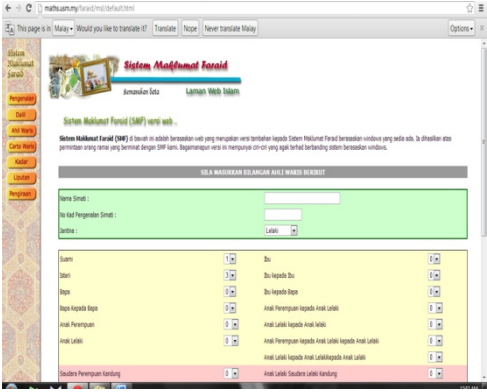
Current System	Description	M-Faraid
<p>E-Syariah (http://www2.esyariah.gov.my/)</p>	<ul style="list-style-type: none"> - This system only describes the calculation method. - The explanation of Faraid is still not clear 	<ul style="list-style-type: none"> - M-Faraid is not only explain about the calculation, but it also calculate by using “Faraid” method. For example, users only need to enter the property of the deceased and the number of family members, faraid will make calculations and indicate the amount to be raised by family members. - In addition, if the user wants to understand the acceptable ratio, they just have to click on where the heirs and faraid will show descriptions. Faraid also provides a space to be filled by the user if the deceased has a debt to be paid, 'wasiat' and also the cost of the funeral.
<p>Sistem Maklumat Faraid (http://maths.usm.my/faraid/msl/default.html)</p>	<ul style="list-style-type: none"> - This system was developed using web based. - User need Internet connection to use this system - Unattractive 	<ul style="list-style-type: none"> - This application using android application. - User do not need internet connection, it is offline android application. - Faraid has been developed with an attractive interface. Green color used in this faraid applications as a main color. Users will not feel bored using this application. - Diagram 2.3.1 shows the calculations performed by faraid.

Table 2.1 Literature Review



Figure 2.1




Current System	Description	M-Faraid
<p>Sistem paduan pengurusan jenazah (http://ir.fsksm.utm.my/3719/)</p>	<p>- This system only explain about funeral rites. - This system also using web based.</p> 	<p>- M-Faraid provide guidance faraid and funeral rites. M-Faraid applications developed in the form of books. users can refer M-Faraid if there is doubt about the funeral and division of property. - Diagram 2.3.2 shows the faraid funeral in an interesting way.</p> <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%; border: 1px solid green; padding: 5px; margin: 5px;">  <p>Tindakan Awal Ketika Berlakau Kematian</p> <ul style="list-style-type: none"> *Tutup mata mayat. Mulutnya diketi dari bawah dengan tangan kanan dan jari berdekatan supaya tidak terbuka. *Melembutkan sendi-sendi anggota mayat (jari, lutut, dan kaki) supaya mudah dimandi dan dikafkan. *Letakkan sesuatu yang sederhana berat atas perut supaya perutnya tidak kembung. *Tutupi badan mayat ditutup supaya auratnya tidak terdedah. Kemudian, letak mayat di tempat sesuai menghadap kiblat dan kedua-dua tangannya diletak atas dada (qiyam dalam solat). </div> <div style="width: 50%; border: 1px solid green; padding: 5px; margin: 5px;">  <p>Cara Memandikan Jenazah</p> <ul style="list-style-type: none"> *Letakkan jenazah di tempat yang agak tinggi supaya memudahkan air mengalir. *Jenazah dihadapkan ke arah kiblat. *Aurut jenazah sentiasa ditutup. *Muka jenazah ditutup semasa air ditirus ke atasnya. *Tekan perutnya perlahan-lahan supaya najis dan kotoran keluar. *Suguhkan gigi dan bersihkan lubang hidung serta telinga jenazah. *Bersihkan seluruh tubuh daripada najis dan benda yang menghalang air. </div> </div>

Diagram 2.3.2

Table 2.2 Literature Review

Conclusion

In conclusion, most of the application in the smartphones gives a lot of benefits to our daily life. The cost to get any application that we wanted is also cheap. Therefore users do not have to worry when they want to get any application. In the next chapter, the discussing about the project methodology used throughout the development lifecycle and the analysis on the system is provided.

CHAPTER III

ANALYSIS

This chapter will focus on the operation of the system.

3.1 Introduction

In general methodology can be interpreted as a method or step of systematic process from requirements to design a system. There have been basically three approaches in information system development area: process-oriented, data-oriented and object-oriented. Through the selection of the most appropriate methodology, we will know the crucial part of the system to be developed. It is because we can save a lot of cost and time. There are various methodologies that are often used to develop a project or system. Among the methodologies are waterfall, RAD model, Spiral, prototype models, Formal transformation models and so on. For this project, RUP has been selected as the best method.