

**MOBILE APPOINTMENT SYSTEM FOR
UNIVERSITIES**

Marwan Ibrahim Ahmad Alshar'e

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**MOBILE APPOINTMENT SYSTEM FOR
UNIVERSITIES**

A dissertation submitted to the Faculty of Information Technology
in partial fulfillment of the requirement for the degree
Master of Science (Information Technology)
Universiti Utara Malaysia

By

Marwan Ibrahim Ahmad Alshar'e

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ABSTRACT

This study explores the implementation of mobile based application as a mediator at the educational operations. The usage of the mobile devices becomes more popular recently, and the wireless technology producers provide the markets and customers with various kinds of hardware and applications which allow customers to use these services from any where and at any time, and this is the main interest in using the mobile based applications. This study focuses on managing the lecturer consulting hours in order to improve the communication between lecturers and students, which are related to the appointment operations. The study aims to take advantages of the wide usage of the mobile application to solve inefficiency in student-lecturer appointments which exists in University Utara Malaysia (UUM), and to shift the existing appointment management operation from desktop based application to mobile-based application

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DEDICATION

*I
would Like
to dedicate
this work
as a gift to
my beloved
and forever
supportive
family...*

TABLE OF CONTENT

PERMISSION TO USE	i
ABSTRACT	ii
ACKNOWLEDGEMENTS	iii
TABBLE OF CONTENET	v
LIST OF TABLES	viii
LIST OF FIGURES	ix
CHAPTER 1: INTRODUCTION	1
1.1 Introduction	1
1.2 Problem statement	3
1.3. Objectives of The Study	5
1.4. Scope of The Study	5
1.5 Significant of The Study	6
1.6 Organization of The Report	6
1.7 Summary	7
CAPTER 2: LETIRATURE REVIEW	8
2.1 Introduction	8
2.2 Contact between lecturers and students	8
2.3 Using the Computerized Mediate in Education	9
2.4 Related Work	10
2.5 Conclusion	15

2.6 Summary	15
CHAPTER 3: METHODOLOGY	17
3.1 Introduction	17
3.2 Awareness The Problem.....	18
3.3 Suggestions	18
3.4 Development	19
3.5 Evaluation	20
3.6 Conclusion	20
3.7 Summary	20
CHAPTER 4: ANALYSIS AND DESIGN	22
4.1 Introduction	22
4.1.1 Problem Statement	22
4.1.2 Objectives	24
4.1.3 Scope	24
4.2 System Analysis	25
4.2.1 Use case Model	26
4.2.1.1 Actors	26
4.2.1.2 System use cases	26
4.2.1.2.1 Administrator Function	28
4.2.1.2.1.1 Use Case Specifications	28
4.2.1.2.2 Lecturer Function	33
4.2.1.2.2.1 Use Case Specification	33
4.2.1.2.3 Student Function	40

4.2.1.2.3.1 Use Case Specifications	40
4.2.2 System Sequence Diagrams	44
4.3 System Design	51
4.3.1 Class diagram	51
4.3.2 System Prototype	53
4.4 Conclusion	60
4.5 Summary	60
CHAPTER 5: CONCLUSION	61
5.1. Introduction	61
5.2. Conclusion	61
5.3 Limitations of The Study	63
5.4 Future Work	63
5.5. Summary	64
REFERENCES	65
Appendix A	72

LIST OF TABLES

Table 4.1	Administrator Login Use Case Specifications	29
Table 4.2	Add User Use Case Specifications	30
Table 4.3	Remove User Use Case Specifications	31
Table 4.4	Update User information Use Case Specifications	33
Table 4.5	Lecturer Login Use Case Specifications	34
Table 4.6	Edit Appointment Use Case Specifications	35
Table 4.7	View Appointment Requests Use Case Specifications	36
Table 4.8	Remove Appointment Use Case Specifications	37
Table 4.9	Notify Student Use Case Specifications	38
Table 4.10	Change Password Use Case Specifications	39
Table 4.11	Student Login Use Case Specifications	41
Table 4.12	Request Appointment Use Case Specifications	42
Table 4.13	View Reports Use Case Specifications	43

LIST OF FIGUERS

Figure 3.1	The General Methodology of Design Research	17
Figure 4.1	Mobile Appointment System Use Case Diagram	27
Figure 4.2	Administrator Login Sequence Diagram	44
Figure 4.3	Add User Sequence Diagram	44
Figure 4.4	Remove User Sequence Diagram	45
Figure 4.5	Update User Information Sequence Diagram	45
Figure 4.6	Lecturer login Sequence Diagram	46
Figure 4.7	Edit Appointment Sequence Diagram	46
Figure 4.8	View Appointment Requests Sequence Diagram	47
Figure 4.9	Remove Appointment Sequence Diagram	47
Figure 4.10	Notify student Sequence Diagram	48
Figure 4.11	Change Password Sequence Diagram	48
Figure 4.12	Student Login Sequence Diagram	49
Figure 4.13	Request Appointment Sequence Diagram	49
Figure 4.14	View Reports Sequence Diagram	50
Figure 4.15	MAS Class Diagram	52
Figure 4.16	Login Form	53
Figure 4.17	Invalid login information	53
Figure 4.18.a	Add new user interface	54
Figure 4.18.b	Add new user interface	54

Figure 4.19	Remove user interface	55
Figure 4.20	Edit user information.....	55
Figure 4.21	Determine Appointment details	56
Figure 4.22	View requested appointments	56
Figure 4.23	Delete appointment interface	57
Figure 4.24	Get student information interface	57
Figure 4.25	View lecturer appointment schedule	58
Figure 4.26	Add appointment request	58
Figure 4.27	Success operation for add appointment	59
Figure 4.28	Fail operation to add appointment reserved period	59

Chapter One

Introduction

1.1 Introduction

The uses of computer and internet have enabled the educational institutions to provide their students and staff with various online applications and services to help them to achieve the purpose of any educational operations. The development of mobile technologies has provided new facilities and possibilities to present such services via mobile devices such as mobile phones and PDA's by extending each service to the wireless medium. Kohlenberg et al. (2006) declared on that more researchers focused on the new way of providing the information (from any where and at any time). From Koyama et al. (2001) view point the cellular phone is the most common information terminal that people can use from any where and at any time. Therefore the educational institutions can offer the students especially those who cannot always have access to computer or internet to get important information from their academic institutions. Evangelos et al. (2006) explained that the main ideas of applying the mobile based applications are to support the educational operations to can supply the learners with a helping hand to get access to educational information sources, Evangelos et al. (2006) provide some examples of applying the web applications to serve the educational process such as announcement, course schedule, grads and user directory details. In the other

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