

**DEVELOPING A VOTING SYSTEM IN UUM USING MOBILE
TECHNOLOGY**

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

By

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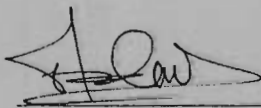
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ABSTRACT

In democratic societies, voting is an important issue to reflect people opinions. This study aims to design and develop a mobile voting system for the student council in UUM, to replace the current manual voting system. The system will provide more flexibility and convenience to the students to cast there votes by saving there time and effort, and reduce the cost for the election process. The developed system shows that the objectives of the study were achieved successfully. Finally, the system is tested and the result confirms that the proposed system is capable to record a successful completion of the election process.

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TABLE OF CONTENTS

PERMISSION TO USE	ii
ABSTRACT.....	iii
ACKNOWLEDGMENT.....	iv
TABLE OF CONTENTS.....	i
LIST OF FIGURE.....	iv
LIST OF TABLES.....	v
CHAPTER ONE	1
INTRODUCTION	1
1.1 Introduction.....	1
1.2 Problem Statement.....	3
1.3 Research Objective	4
1.4 Scope of the Study	5
1.4.1 Users and Functionality	5
1.4.2 Platform:	5
1.5 Significance of the Study.....	6
1.6 Organization of Study.....	6
1.7 Summary.....	8
CHAPTER TWO	9
LITERATURE REVIEW	9
2.1 Introduction.....	9
2.2 Wireless Technology	9
2.3 Mobile Computing and Mobile Device	10
2.4 WAP Concept and Definition	11
2.5 WAP Architecture.....	13
2.6 WAP Session	15
2.7 Types of Mobile Applications	16
2.4.1 Messaging	17
2.4.2 Browsing.....	17
2.4.3 Interacting	17
2.4.4 Conversing	17
2.8 Common Forms of Electronic Voting.....	18
2.8.1 Kiosk.....	18
2.8.2 Remote (Internet).....	18
2.8.3 Phone.....	18
2.8.4 E-Counting.....	19
2.9 Electronic Voting Application in Malaysia University	19
2.10 M-Government and M-democracy	20
2.6.1 Mobile Democracy in Countries.....	22
2.11 Mobile Voting System Definition.....	22
2.12 Related Work on Mobile Voting Application.....	23
2.13 Summary.....	25

CHAPTER THREE	26
RESEARCH METHODOLOGY	26
3.1 Introduction.....	26
3.2 Process Steps.....	29
3.2.1 Awareness of the Problem Phase.....	29
3.2.2 Suggestion Phase	30
3.2.3 Development phase.....	30
3.2.4 Evaluation and Conclusion phase.....	30
3.3 Summary	31
CHAPTER FOUR	32
ANALYSIS AND DESIGN	32
4.1 Introduction.....	32
4.2 Analysis.....	32
4.2.1 Requirements Determination	33
4.2.2 System Requirements.....	34
4.3 Design	36
4.3.1 Logical Design.....	37
4.3.2 Physical Design.....	54
4.4 Summary	55
CHAPTER FIVE	57
FINDING AND RESULT	57
5.1 Introduction.....	57
5.2 System Architecture.....	57
5.3 System Privacy and Security	61
5.4 M-voting Prototype Design (System Interfaces)	61
5.3.1 Register to Vote	61
5.3.2 Student Login.....	62
5.3.3 Voting For Candidate.....	64
5.3.4 Candidate Login.....	65
5.3.5 Create Candidate Profile	66
5.3.6 View Candidate Profile.....	67
5.3.7 Administrator Login.....	69
5.3.8 Manage Faculty.....	71
5.3.9 Manage Candidates	73
5.3.10 Manage Duration	75
5.3.11 Election Result.....	77
5.5 Summary	78
CHAPTER SIX	79
TESTING AND EVALUATION	79
6.1 Introduction.....	79
6.2 Usability Testing Questionnaire	79
6.2.1 Respondents	80
6.2.2 Structure of the questionnaire	80
6.2.3 Conducting the Test	81
6.2.4 Analysis of the demographic questions	81
6.2.5 Analysis of the Usability Testing Questionnaire:	82

6.3	Summary	87
CHAPTER SEVEN.....		88
CONCLUSION AND RECCOMNDATION		88
7.1	Introduction.....	88
7.2	Conclusion of the Study.....	88
7.3	Problems and Limitations	89
7.4	Contribution of Study	90
7.5	Recommendation and Future Work	91
7.6	Summary	91
References		93
APPENDICES		99
Appendix A: Use Case Specification.....		99
Appendix B: Questionnaire for M-voting system in UUM		110

LIST OF FIGURE

Figure 2.1: WAP Protocol Stack.....	14
Figure 3.1: The General Methodology of Design Research	27
Figure 4.1: M-Voting System Use Case Diagram	38
Figure 4.2: Register to vote Sequence Diagram	40
Figure 4.3: Student Login Sequence Diagram	41
Figure 4.4: Vote for Candidate Sequence Diagram	42
Figure 4.5: View Candidate profile Sequence Diagram	43
Figure 4.6: Candidate Login Sequence Diagram	44
Figure 4.7: Create Candidate profile Sequence Diagram	45
Figure 4.8: Administrator Login Sequence Diagram.....	46
Figure 4.9: Manage Faculty Sequence Diagram	47
Figure 4.10: Manage Candidate Sequence Diagram.....	48
Figure 4.11: Manage Duration Sequence Diagram.....	49
Figure 4.12: Election Result Sequence Diagram	50
Figure 4.13: Class Diagram	52
Figure 4.14: ER Diagram.....	53
Figure 5.1: System Architectures.....	60
Figure 5.2: Home Page and Register to Vote Page.....	62
Figure 5.3: Home Page and Login Student Page	63
Figure 5.4: Voting For Candidate Page	64
Figure 5.5: University Home Page.....	65
Figure 5.6: Candidate Login Page	66
Figure 5.7: Create Candidate Profile Page.....	67
Figure 5.8: View Candidate Profile Page	68
Figure 5.9: Candidate Profile Page	69
Figure 5.10: Administrator Login Page	70
Figure 5.11: Administrator Main Page	71
Figure 5.12: Manage Faculty Page	72
Figure 5.13: Add Faculty Page	72
Figure 5.14: Delete Faculty Page.....	73
Figure 5.15: Manage Candidate Page	74
Figure 5.16: Add Candidate Page	74
Figure 5.17: Delete Candidate Page.....	75
Figure 5.18: Manage Duration Page	76
Figure 5.19: Faculty Election Time Page	76
Figure 5.20: Update Faculty Time Page	77
Figure 5.21: Election Result Page.....	78

LIST OF TABLES

Table 4.1: Functional Requirement.....	34
Table 4.2: Non Functional Requirement.....	35
Table 4.3: H/W.S/W Specifications.....	54
Table 5.1: Prototype Development Environment.	58
Table 6.1: Evaluation Dimensions for Mobile Voting System.....	80
Table 6.2: Gender.....	81
Table 6.3: Faculties.....	81
Table 6.4: Descriptive Statistics for M-voting Screen.....	83
Table 6.5: Descriptive Statistics: for Terminology Used in M-voting	83
Table 6.6: Descriptive Statistics for M-voting System Capabilities.....	84
Table 6.7: Descriptive Statistics for Perceived Usefulness	85
Table 6.8: Descriptive Statistics for Perceived Ease Use	85
Table 6.9: Descriptive Statistics for Attributes of Usability.....	86
Table 6.10: Descriptive Statistics for all Dimensions.....	86

CHAPTER ONE

INTRODUCTION

1.1 Introduction

In democratic societies, voting is an important tool to collect and reflect people's opinions. Having witnessed the twenty first stage renaissance of major technological and acceleration countries in the acquisition and application of this technology, the electronic voting (E-Voting) is expected to replace the traditional or the manual voting way to do the election for selection operation that is conducted in centralized or distributed places called voting booths. Voters should go to these voting booths and cast their votes under the supervision of authorized parties, the votes then counted manually once the election has finished (Feng, Ng & Schwiderski-Grosche, 2006).

The Constitution of Malaysia requires that a general election must be held at least once every five years. Nomination centers are set up in various locations by the Election Commission to allow candidates to register themselves. On Election Day, these centers are open for a set time period and the registered voters may cast their ballot for their chosen candidate in a designated voting centre. Each candidate is allowed one agent per

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