

UNIVERSITI TEKNOLOGI MARA

**UiTM VEHICLE BOOKING SYSTEM
(UVEBS)**

ZURA ROHAYU BINTI MAT BIDIN

**Thesis submitted in fulfillment of the requirements for
Bachelor of Science (Hons) Business Computing
Faculty of Computer and Mathematical Sciences**

JANUARY 2014

DECLARATION

I certify that this report and the research to which it refers are the product of my own work and that any ideas or quotation from the work of other people, published or otherwise are fully acknowledged in accordance with the standard referring practices of the discipline.

.....
ZURA ROHAYU BINTI MAT BIDIN
2011178755

JANUARY 16, 2014

ABSTRACT

Web-based applications are programs that run on Web servers and use Web pages as user interface. The application usage of Internet website and online booking systems are currently dominating the modern information technology which gives many advantages to people. For that reasons, the web based system project entitled “UiTM Vehicle Booking System (UVEBS)” is developed to ease applicant in making vehicle booking process and administrator to manage vehicle booking for “Unit Kenderaan” of UiTM (Terengganu). Before this system has been develop, staffs and students need to fullfil the booking form manually and it creates many problems for the users that want to book the vehicle and the administrators to handle the information about the booking. Therefore, the file is not in good condition and probability of the file being lost is very high. UVEBS enables the applicants to register their account, update their profile and make vehicle booking. Besides that, the administration can add staffs, vehicles, approve the vehicle booking as well as updating and deleting the records information. The evaluation technique that had been used in completing the project were distributed questionnaires to students and staffs in UiTM (Terengganu). Overall from the results, the evaluation indicated that contents construct shows the highest mean and standard deviation (Mean = 3.99, SD = 0.67725) . It means that most of the respondents agree about the contents which had provided in the system. Therefore, the interface design and functionality of the UVEBS web based system can be improved in future by other researcher.

TABLE OF CONTENTS

CONTENTS	PAGE
SUPERVISOR'S APPROVAL	ii
DECLARATION	iii
ACKNOWLEDGEMENT	iv
ABSTRACT	v
TABLE OF CONTENTS	vi
LIST OF FIGURES	ix
LIST OF TABLES	x
LIST OF ABBREVIATIONS	xi
CHAPTER ONE: INTRODUCTION	
1.1 Introduction	1
1.2 Problems Statement	2
1.3 Objectives	3
1.4 Scope	3
1.5 Significance	4
1.6 Research Framework	5
1.7 Gantt Chart	6
1.8 Expected Outcome	6
1.9 Conclusion	7
CHAPTER TWO: LITERATURE REVIEW	
2.1 An Overview of Booking	8
2.1.1 Existing System	9
2.2 Web Development Tools	10
2.3 The Development Model Based On PHP	12

2.3.1	Demand Analysis	12
2.3.2	Functional Module Design	12
2.3.3	Database Design And Implementation	13
2.3.4	The Functional Module Implementation	14
2.4	System Development Model	14
2.4.1	Waterfall Model	15
2.4.2	Iterative Development	16
2.4.3	Spiral Model	17
2.5	Web Application	18
2.6	World Wide Web	19
2.7	Database Management System	20
2.7.1	Oracle 11g	21
2.7.2	MySQL	21
2.8	Development Environment Analysis	22
2.8.1	The Choice of Development Language	22
2.8.2	Build Development Environment	23
2.8.3	Notes in Building The Development Environment	24
2.9	Client / Server Design	25
2.10	Implication of Literature Review in The Research	25
2.11	Summary	26

CHAPTER THREE: RESEARCH METHODOLOGY

3.1	Introduction	27
3.2	Waterfall Model	27
3.2.1	Requirements	29
3.2.2	Design	31
3.2.3	Implementation	35
3.2.4	Testing	36
3.2.5	Documentation	39
3.3	Summary	39