

UNIVERSITI TEKNOLOGI MARA

**BOOTH RESERVATION SYSTEM
(BRSYS)**

NAZIRA WATI BINTI IBRAHIM

**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.

.....
NAZIRA WATI BINTI IBRAHIM
2011570341

JANUARY 16, 2014

ABSTRACT

Web-based system is programs that run on web servers and uses web pages as the user interface. Nowadays, peoples gained a lot of benefits from the application usage of Internet website and online reservation system. Currently, the application is dominating the modern information technology. So, the project entitled "BRSYS" web-based system was developed to ease student and staff in making booth reservation process and administrator to manage booth reservation of event held in UiTM (Terengganu). This project was developed using RAD techniques which are requirement, analysis, design and development phases that can do the backward process. Reservation systems of BRSYS were enable the student and staff to register their account, update their profile, upload file and make booth reservation. Besides that, the administrator will control all the processes which are add, update, search and delete information. Therefore, he or she also can approve status of booth reservation. The evaluation techniques that had been used in complete the project were interview and distribute questionnaires to student and staff in UiTM (Terengganu). Overall from the results, construct of usability and accessibility which are user agree that they were fully understood all instructions provided in using the system have shown with highest (Mean = 4.303 and SD = 0.5294). This project also will create paperless usage and save time for student and staff to make reservation. The BRSYS web-based system could be improved in future by other researcher in term of user interface as well as its functionality.

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	xi
LIST OF ABBREVIATIONS	xii

CHAPTER ONE: INTRODUCTION

1.1	Introduction	1
1.2	Problem Statement	2
1.3	Objectives	3
1.4	Scope	3
1.5	Significance	4
1.6	Gantt Chart	5
1.7	Expected Outcome	5
1.8	Research Framework	6
1.9	Summary	7

CHAPTER TWO: LITERATURE REVIEW

2.1	An Overview of Reservation	8
2.2	Introduction to the Web-based System	9
2.3	The Web-based System Architecture	10
2.4	Real Time System	11

2.4.1	Mode of Computer Use	12
2.4.2	Similar Existing Reservation System	14
2.5	Project Requirements	15
2.5.1	Relational Database Management System (RDBMS)	15
2.5.2	Hypertext PreProcessor (PHP)	16
2.5.3	MySQL	17
2.5.4	Why used PHP and MySQL?	18
2.5.5	Internet Information Services (IIS) or Apache	19
2.6	System Development Methodology	19
2.6.1	Systems Development Life Cycle (SDLC)	19
2.6.2	Waterfall Model	21
2.6.3	Spiral Model	22
2.6.4	Prototype Model (RAD)	23
2.7	Implication of LR in the research	24
2.8	Summary	25

CHAPTER THREE: METHODOLOGY

3.1	Research Framework	26
3.2	Preliminary Phase	28
3.3	Analysis Phase	28
3.4	Design Phase	30
3.5	Development Phase	35
3.5.1	System Overview	36
3.5.2	System Function	37
3.5.3	System User	37
3.6	Evaluation Phase	46
3.7	Documentation Phase	50
3.8	Summary	50