

MBMB ADVERTISEMENT BOARD SYSTEM

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

**FACULTY OF INFORMATION AND COMMUNICATION TECHNOLOGY KOLEJ
UNIVERSITI TEKNIKAL KEBANGSAAN MALAYSIA
2006**

BORANG PENGESAHAN STATUS TESIS

JUDUL: MBMB ADVERTISEMENT BOARD SYSTEM

SESI PENGAJIAN: 2006/2007

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DECLARATION

I hereby declare that this project report entitled

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is written by me and is my own effort and that no part has been plagiarized
without citations.

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ACKNOWLEDGEMENT

In the name of Allah the Almighty and most Merciful

First and foremost, I would like to praise upon Allah for letting me complete my PSM project on time and with success. Next, I would like to express my gratitude to my supervisor for Projek Sarjana Muda (PSM), Pn. Massila Bt Kamalrudin, for helping and guiding me to understand the details for report writing and also the development of my project. I would also like to thank my beloved family for giving me support at all times.

Last but not least, I would like to convey my special thanks to all my friends and everyone involved for helping me and giving me advice and cooperation throughout my project.

ABSTRACT

MBMB Advertisement Board System for Majlis Bandaraya Melaka Bersejarah(MBMB) is a system that is developed to enhance the current manual systems. By referring to its requirement, this system is designed with more friendly that is preparing the staffs in MBMB and customers easy to communicate to ICT unit when they want to use this system. Using this system gives much more advantages when compared to using manual system. Not to mention, the interfaces are more user-friendly, thus saves time to manage. This project report tells us about the introduction about the project like project background, problem statement, objectives, scope and etc in chapter 1. In chapter 2, there are including about the literature review and fact and finding. Chapter 3 tells us about analysis and design in chapter 4.

ABSTRAK

Sistem yang dirancang untuk Projek Sarjana Muda (PSM) ini dikenali sebagai Sistem Papan Iklan MBMB untuk Majlis Perbandaran Melaka Bersejarah. Sistem ini adalah merupakan sistem web atau secara online yang membolehkan staf MBMB ini mengurus papan iklan dibawah jagaan MBMB. Sistem ini dibangunkan juga adalah bertujuan menggantikan sistem secara manual keseluruhannya dengan mewujudkan sekali ruang storan penyimpanan data bagi papan iklan, pelanggan dan juga proses yg berlaku dalam sistem ini. Juga untuk mengelakkan masalah-masalah yang sering wujud akibat kesilapan daripada proses manual. Dalam membangunkan sistem ini, metodologi yang telah dipilih ialah Rational Unified Process (RUP) yang melibatkan beberapa fasa bagi pembangunan sistem ini supaya lebih teratur. Selain itu, setiap peringkat dan fasa dilaksanakan seperti fasa permulaan, perancangan, pembangunan dan pemindahan. Bagi mendapatkan situasi terbaik, analisis dilakukan bagi mengenal pasti kehendak pengguna. Diharapkan dengan wujudnya sistem ini akan menolong pihak berkenaan dan akan dapat memberi pulangan yang sewajarnya kepada pengguna.

ABSTRACT

MBMB Advertisement Board System for Majlis Bandaraya Melaka Bersejarah(MBMB) is a system that is developed to enhance the current manual systems. By referring to its requirement, this system is designed with more friendly that is preparing the staffs in MBMB and customers easy to communicate to ICT unit when they want to use this system. Using this system gives much more advantages when compared to using manual system. Not to mention, the interfaces are more user-friendly, thus saves time to manage. This project report tells us about the introduction about the project like project background, problem statement, objectives, scope and etc in chapter 1. In chapter 2, there are including about the literature review and fact and finding. Chapter 3 tells us about analysis and design in chapter 4.

TABLE OF CONTENTS

	Page
ACKNOWLEDGEMENTS	i
ABSTRACT	ii
ABSTRAK	iii
TABLE OF CONTENTS	iv
LIST OF TABLE	vii
LIST OF FIGURE	viii
1.0 INTRODUCTION	
1.1 Project Background	1
1.2 Problem Statement	2
1.3 Objective	2
1.4 Scope	3
1.5 Project Significance	3
1.6 Conclusion	4
2.0 LITERATURE REVIEW AND PROJECT METHODOLOGY	
2.1 Introduction	5
2.2 Fact and Finding	5
2.3 Project Methodology	9
2.4 Project Requirement	10
2.5 Project Schedule and Milestone	11
2.6 Conclusion	12

3.0	ANALYSIS	
3.1	Introduction	13
3.2	Problem Analysis	14
3.3	Requirement Analysis	17
3.4	Conclusion	28
4.0	DESIGN	
4.1	Introduction	29
4.2	High-Level Design	29
4.3	Conclusion	42
5.0	IMPLEMENTATION	
5.1	Introduction	43
5.2	Software Development Environment Setup	44
5.3	Software Configuration Management	45
5.4	Implementation Status	50
5.5	Conclusion	51
6.0	TESTING	
6.1	Introduction	52
6.2	Test Plan	53
6.3	Test Strategy	55
6.4	Test Design	57
6.5	Conclusion	61
7.0	CONCLUSION	
7.1	Observation on Weaknesses and Strengths	62
7.2	Propositions for Improvement	62
7.3	Contribution	63
7.4	Conclusion	63

REFERENCES**APPENDICES**

- A: Gantt chart
- B. Navigation design
- C: Data Normalization

LIST OF TABLE

	Page
Table 1.1: Phase in RUP Methodology	9
Table 2.1: Software Requirement Tools	10
Table 3.1: Hardware Requirement Items	11
Table 4.1: Software Requirements Specifications	27
Table 5.1: Hardware Requirements Specifications	28
Table 6.1: Three-tier architecture layer of the system	30
Table 7.1: Implementation Status	50
Table 8.1: MBMB Advertisement Board System Test Environment	54
Table 9.1: MBMB Advertisement Board System Test Schedule	55
Table 10.1: Categories of Test Case Design Techniques	56
Table 11.1: Test Design Specification	58
Table 12.1: User Login Module	60
Table 13.1: Staff Registration Module	60
Table 14.1: Searching Board	60

Table 15.1: Booking	61
Table 16.1: Bid	61

LIST OF FIGURE	Page
Figure 1.1: Activity Diagram for Current System	15
Figure 2.1: Package for MBMB Advertisement Board System	18
Figure 3.1: Activity Diagram To-Be System	19
Figure 4.1: Use case Diagram	20
Figure 5.1: Three-tier Architecture	31
Figure 6.1: Sequence Diagram for Login	31
Figure 7.1: Sequence Diagram for Search Board	32
Figure 8.1: Sequence Diagram for Booking	32
Figure 9.1: Sequence Diagram for Bid	33
Figure 10.1: Login Interface	34
Figure 11.1: Search Board Interface	35
Figure 12.1: Booking Board Interface	36

Figure 13.1: Profile Interface	37
Figure 14.1: booking List Interface	38
Figure 15.1: Bid List Interface	39
Figure 16.1: Registration Interface	40
Figure 17.1: ERD for MBMB Advertisement Board System	41
Figure 18.1: Overview of software development environment	44
Figure 19.1: Configuration of Macromedia Dreamweaver	46
Figure 20.1: Report Form	43
Figure 21.1: Email Form	44
Figure 22.1: Entity Relationship Diagram (ERD)	47

CHAPTER I

INTRODUCTION

This chapter will discuss about the whole project brief. They include discussion on project background, problem statement, objective, scope and project significant.

1.1 Project Background

MBMB ADVERTISEMENT BOARD SYSTEM is one of system that provides management advertisement board to managing advertisement board. This system will replace the current system which is customer only can book and bid the board online. This new system is computerize which is all the process using the computer. The new system in this project will make the management more systematic because customer can know all of the area advertisement board located and make easier to book if they interested. Customer can booked the board during booking phase and they are not allowed to book the board outside the booking phase. After booking phase is expired, system will enter into bid phase where only customer who already booked that board can bid and the higher bidder will rent that board. For administrator, system also provides which admin can insert new data about board and can register new staff to use that board as admin. Admin also can print the report. System also can alert the admin and customer about expiring date of booking, bidding etc.

1.2 Problem Statement

The current system only using manual process is not secure and mostly not recorded properly. Most of the system still using manually record which is write by hand and not properly stored, this fact will finally come to complicated issues when it come to review scope. For an example if something happened in the building that not properly stored their visitor access record, it for sure can make hard moment when it come to record review and record tracking phase, the data it self not only missing but of course not properly stored. With this Advertisement Board System that will develop, all above problem will be better manage, this system will be able to store properly. Every single or each customer will be record their personnel detail and time booking detail, and every single board that their use will be recorded. With the current system also, customers need to go to MBMB to booking the board and with this new system, customers can booking and bid online.

1.3 Objective

The objectives of Advertisement Board System are as following:

- i. Developing a web-based system where the MBMB's staff or the user can search for additional information of the board on procedures and other related information.
- ii. Create extra securities.
- iii. Help management to manage the board and make a procedure and process smoothly.
- iv. To help the customers search the board.
- v. Give customers to booking and bid the board.
- vi. Give management to generate report and contract.
- vii. Alert about expiring period of board

1.6 Conclusion

As a conclusion, these chapters focus the overall system from project background, define the problem statement, identify the objective, scope project also project significance and expected output.

Henceforward, literature review and project methodology will be continued as a next stage. This part will review the previous project and make a comparison with project that has been proposed. Besides, that chapter explains about the software methodology that will be used in this project.

1.4 Scope

Below is the scope of the system:

1. Customer

- must register to use this system.
- can search, booked and bid the board.
- can view booked list and bid list.
- System will alert if contract is expiring.
- print temporary report and contract.

2. Admin

- Maintenance system.
- Print report and contract.

1.5 Project Significance

This project is beneficial for customers who want to book the board and admin who administrative board zone. Customer will find the easy way about all the board information. There will be no overlap booking board so customer can book the board in period provided. This system gives more functions to admin who manage the advertisement board while client only use the simple function. From the business perspectives, this system will increase the process by optimizing the short time and also increase their securities.

CHAPTER II

LITERATURE REVIEW AND PROJECT METHODOLOGY

2.1 Introduction

This chapter focuses on literature review and project methodology. First section this chapter; fact and finding it will discuss and review about approach and related research, references and other finding about this system. Besides, it also states other approaches that will be used in this project after comparison with previous approaches. In project methodology, selected approach or methodology will be described the activities that may do in every stage. Accurate a method can enable to produce a better quality product, in terms of documentation standards, acceptability to the user, maintainability and consistency of software.

2.2 Fact and Finding (Based on topic)

The project that will develop is combination of some well-known concept that is used in current ICT environment. This Fact and Finding section will describe the concept of project that will develop. It is not about to comment the concept or to make system constraint but it is more on information finding.

2.2.1 What is an advertisement?

An advertisement is a poster. Placard, a fascia sign, a projecting signs, pole signs, canopy signs, models and devices, advance signs and directional signs, estate agents board, captive balloon advertisement (not balloon in flight), flag advertisement, price displays, traffic signs and place name signs. Memorials and railways signals are not advertisement.

The standard conditions in the regulations for all advertisement is that they are kept clean and tidy and in a safe condition. They must have the permission of the site owner including the Council on highway land. They must block the view of road, rail, waterway or aircraft signs and they must not be so permanent that they cannot be removed if required. [1]

2.2.2 What is a board?

A board may be a:

- Piece of lumber (or other rigid material made of wood, milled or sawn flat
- Surfboard, skateboard, or snowboard (often made of fiberglass)
- Commission or committee, such as an executive board of director or a (sometimes rather supervisory) board of governors
- Bulletin board system or other Internet forum
- Surface upon which a board game is played
- Device used in playing duplicate bridge
- Distinct area inside a video game, usually called "level" [2]

2.2.3 What is a system?

A **system** is an assemblage of inter-related elements comprising a unified whole. From the Latin and Greek, the term “system” meant to combine, to set up, to place together. A **sub-system** is a system which is part of another system. A system typically consists of components (or element) which are connected together in order to facilitate the flow of information, matter or energy. The term is often used to describe a set of entities which interact, and for which a mathematical model can often be constructed. [3]

2.2.4 Advertisement Board System

This is an existing system that I found but this advertisement is for LED board. That we can see they include post date and also expiry date for that board. There have description about board like product name, model number and place of origin.

LED Outdoor Advertisement Board



Model No.: HH-L40
Product Origin: China

for this LED Outdoor Advertisement Board (Oct 09, 2006)

Detailed Product Description

The board is a true color display screen at night.

Features:

- 1) Combining several global leading display board control technologies, such as grey level code technology, brightness control technology, and nonlinearly rectifying technology
- 2) Modularization, high resolution and high contrast design, vivid dynamic display
- 3) Arbitrarily exchanging the display or displaying synchronized video
- 4) Long using life, can reach more than 100,000 hours, while the power consumption is lower than one tenth of lamp or neon
- 5) Economical maintenance and cost saving

Product type	HH-L40	HH-L45	HH-L50
Pixel Configuration	1R+1PG+1B	1R+1PG+1B	1R+1PG+1B
Pitch (mm)	40	45	50
Viewing Distance (m)	50	50	50
Horizontal viewing angle	110	110	110
Grade level	256	256	256
Color	16M	16M	16M
Brightness (CD/ m ²)	1300	1027	832
Density (dots/ m ²)	625	494	400
Power Consumption (W)	156	123	100
Size of Case (mm)	1280 X 640	880 X 880	880 X 880
Display Mode	Point to point between display and the CRT		
Brightness Control	256 grades of each color, software regulation		
Frame Rate	120 frames/sec		
Communication distance	Cat.5 network cable: <100m, Fiber: <15km		

[4]

2.3 Project Methodology

A project approach should be chosen early during the project planning. The approach depends on the formalized requirements and on both the general project plans. Methodology for MBMB Advertisement Board System use Rational Unified Process (RUP) using Unified Modeling Language (UML) as an underlying object oriented model.

The RUP is known particularly applicable to develop software or the system effectively using the proven techniques. The phase for RUP is inception, elaboration, construction and transition. The following table corresponds to the activities that will involve in the each phase.

Table 1.1: Phase in RUP Methodology

Phase	Activities
Inception	<ol style="list-style-type: none"> 1. Identify objective, scope and requirement for the MBMB Advertisement Board System. 2. Define the literature review for case study, journal, website and book according to system title. 3. Define the project methodology for the system.
Elaboration	<ol style="list-style-type: none"> 1. Plan the project and specific the project features. 2. Draft the software architecture. Example is use-case, activity and sequence diagram.
Construction	<ol style="list-style-type: none"> 1. Develop the architecture design 2. Design the physical database. 3. Have a problem when all data is corrupted and need to start from beginning.

Transition	<ol style="list-style-type: none"> 1. Conduct the unit testing, integration testing and user acceptance test. 2. The product has produce to the end user.
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2.4 Project Requirements

2.4.1 Software Requirement

For develop this system, need the appropriate software and tools. Below are the software requirements and the description.

Table 2.1: Software Requirement

Tools	Description
PHP My Admin	Appropriate programming language to develop the web-based system.
Microsoft Project	To develop the UML diagram.
MySQL	As a database tools to support system data.

2.4.2 Hardware Requirement

To support developing this system, hardware requirements as an important thing to done the system. Below are the hardware requirement and the specifications.

Table 3.1: Hardware Requirements

Items	Devices	Specifications
System	Processor	Minimum requirement Intel Pentium 3
Memory	Cache Memory	512MB
	Random Access Memory	Minimum requirement 256/512 MB DDR
Storage	Hard Disk Drive	40Gb or above
	External Hard Disk	40Gb or above
Network	Transmission Speed	ISDN/ADSL
Input Devices	Keyboard and Mouse	Standard Compatible
Output Devices	Monitor/Printer	Standard Compatible

2.5 Project Schedule and Milestones

The gantt chart has draw in order to display the process of develop and timeline of The Career.

(Refer to Appendix A).