

MBO TICKET M-BOOKING SYSTEM

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MBO TICKET M-BOOKING SYSTEM

RIDZWAN BIN ABDOL RAHMAN


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

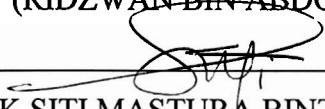
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UNIVERSITI TEKNIKAL MALAYSIA MELAKA
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I hereby declare that this project report entitled
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ABSTRACT

The domain of this project is about cinema tickets booking system. There are many problems exist during people to get the cinema tickets. So, the booking or reservation system can help people to get the cinema tickets easily. Nowadays, MBO Cineplex cannot provide the online booking system. Therefore, the others technique is propose for more helpful membership card of MBO Cinemas to book the tickets by using the mobile phone. So, with MBO Tickets mBooking System, users can book the cinema tickets at MBO Cinemas with more quick and easy at anytime and everywhere. After the research, it shows that mobile phone that is support WAP is very suitable for the creation of mobile booking cinema tickets because the mobile phone is used widely.

ABSTRAK

Bidang kajian projek ini adalah berkenaan dengan sistem tempahan tiket wayang. Terdapat banyak masalah wujud semasa pengguna untuk mendapatkan tiket wayang. Jadi, sistem tempahan atau simpanan boleh membantu pengguna untuk mendapatkan tiket wayang dengan mudah. Pada masa sekarang, MBO Cineplex tidak menyediakan sistem tempahan dalam talian. Oleh yang demikian, suatu teknik lain dicadangkan bagi lebih membantu ahli kad pawagam MBO untuk menempah tiket dengan hanya menggunakan telefon bimbit. Jadi, dengan MBO Tickets mBooking System ini, pengguna boleh menempah tiket wayang di MBO dengan lebih cepat dan mudah pada bila-bila masa dan dimana sahaja. Setelah kajian dibuat, ia menunjukkan bahawa telefon bimbit yang berfungsi WAP adalah sangat sesuai untuk dijadikan sebagai tempahan tiket wayang kerana telefon bimbit digunakan meluas.

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LIST OF ABBREVIATONS

2G	-	Second Generation Wireless
3G	-	Third Generation Wireless
ASPX	-	ASP.NET
CDMA	-	Code division multiple access
DFD	-	Data Flow Diagram
DSDM	-	Dynamic Systems Development Method
EDGE	-	Enhanced Data GSM Environment
ERD	-	Entity-Relationship Diagrams
GPRS	-	General packet radio service
GSM	-	Global System for Mobile communications
HSDPA	-	High-Speed Downlink Packet Access
HTML	-	Hypertext Mark-up Language
ITU	-	International Telecommunications Union
PDA	-	Personal Digital Assistant
PHP	-	Entity-Relationship Diagrams
QVGA	-	Quarter Video Graphics Array
SSADM	-	Structured Systems Analysis and Design Method
TDMA	-	Time division multiple access
UMTS	-	Universal Mobile Telecommunications Service
WAP	-	Wireless Application Protocol
WEB	-	World Wide Web
WML	-	Wireless Markup Language
WPA2	-	Wi-Fi Protected Access 2
xHTML	-	Extensible HyperText Markup Language
XML	-	Extensible Markup Language

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CHAPTER I

INTRODUCTION

1.1 Project Background

Nowadays, there are more than 50 million mobile handsets that are WAP enabled. All mobile handsets start have been WAP enabled since of 2001. It is also that there are be 1 billion handsets in the world by 2003 and 2004. Key players in Mobile Internet market support WAP. These include the Network Operators, Hardware Manufacturers, and Software Application Developers. All the major handset manufacturers are committed to WAP and will support multiple technologies including WAP, GPRS and Bluetooth. Network operators are behind WAP and their support is clearly demonstrated by the deployment of WAP world-wide. There are more than 200 Operators that have WAP applications and services available to their customers. This is a huge investment in infrastructure, equipment and software applications and services. Thousands of software application developers have been behind WAP and have created the applications and services for WAP. This commitment to WAP is clearly shown by the many thousands of WAP sites available in the world today. Therefore, this project are using WAP in the development of mobile Booking (mBooking) cinema tickets. For this project, the system is developing for cinemas. Its mean, this system is for facilitate the related works about booking the movie tickets. In this context, this system is for MBO Cinemas. Now, this online tickets booking system using mobile phone never

exists for MBO Cinemas. So, with this system, public users can book the cinema tickets at MBO Cinemas with more quick and easy at anytime and everywhere.

1.2 Problem Statements

Nowadays, many people go to the cinema to watching movies. Sometime there were some problems to get the tickets film.

- Long time queue when buy the tickets
People are always be face with long time queue when buy the tickets. So with this system, users ease for booking the cinema tickets with more quick and easy without long time queue in counter.
- Movies ticket sold out
Sometimes the movies tickets sold out and people cannot to watch their favorite movies on time. With this system, users can ease for booking or reserved the cinema tickets.
- Waste time to get the tickets
People sometimes waste their time because they must go to the cinemas early to get the tickets. With this system, users ease for booking the cinema tickets at anytime and everywhere using their WAP mobile phone.
- Online tickets booking system never exists for MBO Cinemas.
Nowadays, MBO Cinemas not provide the online tickets booking system and people need to go to the cinema for buy the tickets before the shows start.

1.3 Objective

There are several objectives of this project.

- To propose an online ticket booking system for MBO Cinemas.
This system will be developed because an online tickets booking system never exists for MBO Cinemas. So, if this system exists, it can help to make user ease when to reserve and booking the tickets.
- To enhance an online ticket booking system using mobile phone and WAP technology.

Nowadays, also many people use mobile handsets and there are more than 50 million mobile handsets that are WAP enabled. Therefore, this project is using WAP in the development of mobile Booking (mBooking) cinema tickets. Besides that, the usage of mobile phones is widespread and more extensive than personal computers or laptops. So, people can access the mBooking cinema tickets at anytime and everywhere using their WAP mobile handsets. So, the ease of use, mobility and personalization aspects of mobile devices makes it an ideal medium for this next step in booking cinema tickets.

1.4 Scope

This system is being developed to help the target users (people and public users) to book the movie tickets using the mobile phone with more quick and easy before they go to the MBO Cinema. For this project, the target users is specific for member of MBO Cinemas Membership Card. It is because, a card's holder will have a card. The card is based on a prepaid concept. An amount of money is stored in the card and it can be reloaded. So, every members can book the movie tickets by WAP mobile phone and use the card values as a payment. Others, this system is specific for users that have mobile phone that support WAP technologies. There are many type and brand of mobile phone that support WAP technologies. An example of mobile phone brand is Nokia,

Sony Ericsson and Motorola. For Nokia mobile phone that support WAP technologies such as 3100, 2600 Classic, 3110 Classic, 3500 Classic, 5000, 7110, 7610 and many more. For Sony Ericsson mobile phone that support WAP technologies such as J220i, K320i, K550i, K750i, K660i and many more. Then for Motorola mobile phone that support WAP technologies such as Moto-RAZR, Moto-KRZR, Moto C261, E398 and many more.

1.5 Project Significance

The significance of this project are to the people that frequently watch movies in cinemas. They will get the tickets before to allow watching the movies. So, with this project, it will give benefits to users with make the users booking the movie tickets with more quick and easy without long time queue in counter. So, with this project, it will ease the users for booking the cinema tickets at anytime and everywhere using their WAP mobile phone before the movies showing.

1.6 Expected Output

The expected output from this project are be able to enhance the method for online movies tickets to WAP mobile phone. Then, it make sure users ease for booking the cinema tickets at anytime and everywhere using their WAP mobile phone. Besides, this system will help facilitate users to get cinema tickets with quick and easy without long time queue in counter.

1.7 Conclusion

In conclusion, mobile handsets that are support WAP is suitable for the creation of mobile booking cinema tickets. It is because, nowadays, many people use mobile handsets and there are more than 50 million mobile handsets that are WAP enabled. The next chapter will be continuing with literature review and project methodology.

CHAPTER II

LITERATURE REVIEW AND PROJECT METHODOLOGY

2.1 Introduction

This chapter is discussing about literature review and project methodology that related with online tickets booking systems on WEB and mobile WAP. The online booking is not online used in education field but also used in corporate, tourism, cinemas, airline, hotel and others. Online tickets booking system is an online system that manages booking or reserve the tickets for the some company. For example online movie tickets system is provide by the cinemas company to public user for booking and reserve the movie tickets. Then, online movie tickets system on mobile is system that running with use mobile WAP.

2.2 Facts and Findings (based on topic)

2.2.1 Domain

Referred to Oxford Dictionary (1997), the definition of booking is (an instances of) reserving seats, rooms, places (in a theater, restaurant, train, hotel). Besides, the

definition of booking is referred to employment for performers or performing groups that lasts for a limited period of time or the act of reserving such as a place or passage or engaging the services of a person or group. This means that online booking is to make an arrangement for a reservation through online. Online booking system can also be known as online reservation system. Then, online tickets booking system be related to booking and reservation the tickets. Referred to NetMedia Business Solutions (2003), online booking system is making online, real time, internet bookings for such things as flights, hotel rooms or even theater tickets is not new. Indeed it is now very much expected of any airline, hotel or theater. Organizations in these markets, such as golf clubs and hotels, have benefited hugely from allowing their customers to book online, not just in terms of increased sales opportunities but also in terms of radically improved.

2.2.2 Existing System

There are currently a number of different websites offering online movie tickets sales. Some of the most well known are:

- Movie Tickets - Cathay Cineplexes (www.cathaycineplexes.com.my), Figure 1.[1]
- Cathay Cineplexes Singapore Online Ticketing (tickets.cathay.com.sg//index.aspx), Figure 2.[2]
- TGV Cinemas E-Ticketing(www.tgv.com.my), Figure 3.[3]

Each of the site offers a very similar service to their customers. The sites each have a different way of navigating and searching the site. The Cathay Cineplexes Web site home page requires the user to select cinema, movie, times, seats selection, confirmation and make payment.

Each of the website are used HTML and ASPX language. In developing an interface of the web site, Adobe Dreamweaver has been used. Adobe Dreamweaver is software that has been used to create interface data. Adobe Dreamweaver provides the productivity of a visual web page layout tool, the control of an HTML text editor, and support for Dynamic HTML in one professional, easy-to-use package. Dreamweaver