BORANG PENGESAHAN STATUS TESIS

JUDUL: Visit Sarawak Information System (Status via SMS)

SESII PENGAJIAN: 2005

Saya DAYANG ZURAINI BT AWANG MALIKI

(HURUF BESAR)

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^ Tesis dimaksudkan sebagai Laporan Projek Sarjana Muda (PSM)
VISIT SARAWAK INFORMATION SYSTEM (STATUS VIA SMS)

DAYANG ZURAINI BT AWANG MALIKI

This report is submitted in partial fulfillment of the requirements for the Bachelor of Information and Communications Technology (Pembangunan Perisian)

FACULTY OF INFORMATION AND COMMUNICATIONS TECHNOLOGY
KOLEJ UNIVERSITI TEKNIKAL KEBANGSAAN MALAYSIA
2005
DECLARATION

I hereby declare that this project report entitled
VISIT SARAWAK INFORMATION SYSTEM (STATUS VIA SMS)
is written by me and is my own effort and that no part has been plagiarized
without citations.

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(DAYANG ZURAINI AWANG MALIKI)

SUPERVISOR: ___________________________ Date: __26/11/2005__
(YAHAYA ABD RAHIM)
DEDICATION

To my God, Allah SWT
To my greatest Idol, Rasulullah SAW
To my beloved parents, Awang Maliki bin Hj Awang Hamdan and Samsiah bin Saman
To my sisters
ACKNOWLEDGEMENT

First of all, thanks to God for guidance and blesses upon me in my PSM II which was started on 1 Jun 2005 until 26 May/ October 2005, at Kolej Universiti Teknikal Kebangsaan Malaysia.

Hereby, I would like to thank to Professor Dr Mohammad Ishak Desa who is the FTMK Dean for giving me the opportunity to do PSM II. A special thanks also to the all FTMK lecture for supporting me while I am doing my PSM II. Not to forget, many thanks goes to my PSM II supervisor, Mr Yahaya Abdul Rahim who is kindly supervise, provide a support, guide and encourage me during my PSM II until complete doing my project.

Also big thanks to Madam Rosleen Abd Samad, Madam Sabrina, for kindness in helping me during my PSM II period.

My special thanks also dedicated to all Information Technology students especially students in software development courses, not forgotten my special thanks also dedicated to my friend’s. I’d really appreciate their kindness, support, cooperation and encouragement that they gave to me since the first day.

With the experience gained in PSM II, I will use them, and as the guidance for my future work environment and also motivate me in my career. Beside that, I also have the opportunity to implement what I have learnt in my classes to the real working environment situation especially when we want to develop a system. But, the most important thing is that I managed to encounter difficulties faced during the completion of my tasks with the precious guidance and supports from the lecture and my friends.
This PSM II program was designed to provide students with the real life experience on the system development which is to develop a new system. The Visit Sarawak Information System (Status via SMS) is an online system for booking process. The purpose of the project is more towards on the booking online system that generate the confirmation booking status using SMS Status. For overall, this system using internet technology as a main communicator to generate the booking process. Beside that, from the research that I have done, there is some problem that happens in this system such as data redundancy for example. So with all chapter that we do, such as introduction, literature review, design and analysis, all the problem can be identify and this problem can be solved. The system that will be developed will help all users whether the customer or the administrator to do their task.
ABSTRAK

Subjek PSM II dijalankan adalah untuk menyediakan semua pelajar kepada kehidupan yang sebenar terutamanya dalam pembangunan sistem dimana pelajar akan didedahkan untuk membangunkan sistem masing-masing. Visit Sarawak Information System (Status via SMS) adalah sistem 'online'. Sistem ini merupakan sistem pelancongan untuk memperkenalkan Sarawak sebagai pusat percutian. Skop projek ini ialah membuat tempahan secara 'online' dan seterusnya pelanggan akan mendapatkan status pengesahan tempahan tadi melalui teknologi SMS. Selain itu, pelanggan juga akan mendapat pengesahan pembayaran melalui system ini juga. Sistem ini menggunakan metodologi OOAD sebagai kaedah aplikasi dalam menjalankan tesis. Setelah menjalankan tesis ini, terdapat beberapa masalah yang telah dikenalpasti. Dengan adanya kaedah tesis yang digunakan dalam bab-bab penyelesaian seperti bab pengenalan, kajian literature, rekapitulasi dan analysis, maka masalah seperti ini akan dapat diselesaikan. Dengan adanya sistem seperti ini, maka ia akan membantu semua pihak dalam menjalankan tugas masing-masing.
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LIST OF ABBREVIATIONS

PSM  Projek Sarjana Muda
SMS  Short Message Services
OOAD Object Oriented Analysis Design
UML  Unified Model Language
OO   Object Oriented
TCP/IP Transport Control Protocol / Internet Protocol
OS   Operating System
LAN  Local Area Network
NIC  Network Interface Card
ID   Identity
VSIS (SVS) Visit Sarawak Information System (Status via SMS)
ERD  Entity Relationship Diagram
SCM  Software Configuration Management
DBMS Database Management System
CHAPTER 1

INTRODUCTION

1.0 Introduction

PSM (Projek Sarjana Muda) is one of the subjects that all final year students have to take and it gives opportunity to students to use their knowledge to develop project by their own. Beside that, it meant to expose students with the project and the problem that related with industry and also to expose them with the right way to conduct a problem solution.

Beside that, this report is to proposed an application system named Visit Sarawak information System (status via SMS) that will be develop for a user that wants to travel to Sarawak. This system will avoid the data redundancy that manual system always has and reduced the management cost.
1.1 Project Background

Visit Sarawak Information System is a user friendly online system which can be used by anyone. This system will be categorized into two categories which are the user and the administrator. In addition, user can book for the set package directly from their own computer. Among the packages offered, such as honeymoon package, family package, grouping package, travel budget package and student package. This system is monitored by admin for this system whom responsible for updating current information from time to time especially pertaining to promotion and festive session offer. Visit Sarawak Information System is a user friendly online system which can be used by anyone.

For the user or the customers that use this system, they will get the status for the booking online through short message services (SMS). This system is to introduce interesting places or destination in Sarawak for holiday and vacation. Now there are many problems happen when to receive the status so with the SMS the process is more interactive and easy to use. It is because this technology is very popular and many people used it.

1.2 Problem Statements

Visit Sarawak Information System (status via SMS) is being developed to replace the previous system that also to reduce the problem that have been faced by the system’s users. There are some problems that have been capture and identified such as below

1. None Systematic Management
   - Previously, the management team is doing the booking management manually by sending booking confirmation status to user or customer.
This method of management is not systematic because it is taking such a long time to send the status.

- The users don’t have to wait for such a long time to accomplish their task for booking registration, checking status and searching process. This system will include all the related functions so that it will be more systematic in management process.

2. Time Usability

- The manual system always takes a long time to accomplish each task. The application process also takes a long time because the user has to double check the status in order to avoid any mistake.

- User can have their confirmation status with the SMS and it takes a short time.

3. Insecure Data

- In manual system, paper and forms are being used to record and save the related data of customer information. The usage of papers and forms doesn’t guarantee that the data is secured. This papers and forms could be missing, misplaced or damaged.

- Meanwhile with this system, all data will keeps in the system that cannot be access or modified by other users except for the authorized user.

1.3 Objectives

The objectives of the Visit Sarawak Information System (status via SMS) are as stated below:
1.3.1 General Objectives

- To introduce Sarawak as an interesting places in Malaysia.
- Customer can make booking registration through this system

1.3.2 Specific Objectives

a. SMS application
   The customer will received the status of booking confirmation with the SMS application.

b. To develop a system that is user friendly.
   The users of the System are the admin and the real user. This online system will provide
   an easy and user-friendly system. The staff or admin for this system can categorized the
   entire package with this system. Beside that with this system, staff also can monitor the
   information from time to time for updating, deleting and adding that data.

c. To save the time and cost
   It can be done smoothly and the data can be accessed without any delayed.

d. To make the system more secured
   This system is using the user authentication to login to the system. This authentication is
   only for admin or staff of this system. Each staff can access to the data in his/her own
   account only. The modification of the data can do by the authorized user of each account
   only.

d. To develop a systematic system.
   The system that will be developed can ensure the management department to be more
   systematic and efficient.
1.4 Project Scopes

The scope of the system is more towards on vacation booking online and also manages that booking from time to time and the status of booking through SMS. Beside that, this system also generates the payment status after the customer gets their ID for payment process and after that the customer also can view the analysis for the system such as how many visitors used that system.

The customer will receive the booking status confirmation with the SMS meanwhile the payment status with customer own computer. This system will be organized by the administrator that will be monitoring this system time to time. The system will only have one account. This account is only for the coordinators who are the administrator. Each staff has their own authentication and all of them play the roles as the system’s Administrator so that they can access to all users account.

There are five main functions for the user of this system which is including all packages in this system. Each of these packages has their own criteria.

User used this system to register their own information and they can choose the set of packages in what destination, time and place based on the package that provide in this system. It also will display an interactive, systematic and user friendly interface and also easy to use to everybody
1.5 Project Significance

The significances of the Visit Sarawak Information System (status via SMS) will give many advantages to the management authority and the staff of this system. This system can reduce the usage of paper work based and files managing for the activities booking process for the registration in this system.

For overall, this system is used for all people that play roles as tourist. Both of user and administrator get their own benefit from this system. For management team or admin, with this system their management will be more systematic. Beside that, work performance will increase and efficiency. The administrator also can key in the data, searching record for the customer. Meanwhile for users, the booking process will more easy and quick. It is because of using SMS application and also because of this technology is most popular in this time. The users also can search for booking package and select it. This system will help the user to make their task easier.

Last but not least, the significance of this system will reduce the management cost. When reducing the paper work based, the usage of papers and files will be decreased. By reducing the manpower, times required and mistakes in recording the data, the management authority and the management process will be more systematic and well organized.

1.6 Expected Output

The computerized system is very important to the user and also to developer. Overall, these features of this system are the confirmation booking status will be directly sent to the customer by the SMS technology and email. Beside the booking online process, this system will help to decrease the manual system problem. This system is
play roles as information system that give all information about Sarawak tourism which are the most interesting place for vacation, good place for family and so on. Beside that, users also can get all this information with this system and also can booking this package by online. The user also can search all information about Sarawak for their reference. After booking online is success, the user will get their booking confirmation status through SMS application. Beside that, the customer also will get their payment ID with this system. This payment status will help the customer to know whether their payment is success or not. The customer also can view the analysis for the system visitors.

1.7 Conclusion

The PSM (Projek Sarjana Muda) is one of the subjects that all IT students have to take. In this subject, students will be exposed with the real system and it will give more experience to all students. The Visit Sarawak Information System (status via SMS) will be developed and will give benefit to the users especially in this system management. The system will meet all the user requirements and also can save money, cost and time. This system also replaces the previous system that is manual system. With the manual system, there are a lot of risks of losing data will happen. For information, this system more focuses on the booking online and the status receiving through SMS application. For the user or the customers that use this system, they will gate the status for the booking online through short message services (SMS). This system is used for all people especially whom want to visit Sarawak.
CHAPTER 2

LITERATURE REVIEW AND PROJECT METHODOLOGY

2.1 Introduction

The literature review is one of the least understood parts of a research project. A literature review is a summary of previous research on a topic. Literature reviews can be either a part of a larger report of a research project, or it can be a bibliographic essay that is published separately in a scholarly journal. Either way, the purpose is the same, to review the scholarly literature relevant to the topic you are studying. This review will help you design your methodology and help others to interpret your research.

In this chapter, the literature review is focus on the research of the current system and the new system. The purpose of a literature review is to explain how the question to be investigated fits into the larger picture and why this approached the topic. This section of a scholarly report allows the reader to be brought up to date regarding the state of research in the field and familiarizes to any contrasting perspectives and viewpoints on the topic.