

**SEREMBAN INTERNATIONAL GOLF CLUB MANAGEMENT SYSTEM  
(SIGC MANAGEMENT SYSTEM)**

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JUDUL: SIGC MANAGEMENT SYSTEM

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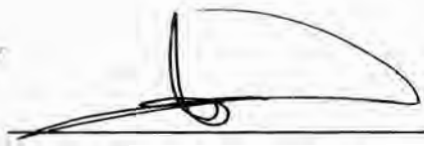
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**SEREMBAN INTERNATIONAL GOLF CLUB MANAGEMENT SYSTEM  
(SIGC MANAGEMENT SYSTEM)**

**AZIZAH BINTI ACOB**

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

**FACULTY OF INFORMATION AND COMMUNICATION TECHNOLOGY  
UNIVERSITI TEKNIKAL MALAYSIA MELAKA  
2008**

## DECLARATION

I hereby declare that this project report entitled  
**SIGC MANAGEMENT SYSTEM**

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

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## ABSTRACT

The purpose of writing this Projek Sarjana Muda report is to record all the information about the development of this system. This thesis consists of 7 chapter describes all the phases in development lifecycle. This document will briefly described about the introduction, literature review and methodology, analysis, design, implementation, testing and project conclusion. The first chapters are clearly explained about the background of the system on how this system works. The objectives and problem statements describe why this system should be developed. It's also described the limitations and boundaries of this system. The literature review is an exploration of an area, which at best will provide definition and framework for a piece of research. A proper methodology with systematic phases will act as a guide to ensure the success of the proposed system. Analysis phase is which means the scope of the system, key technical requirements, and the tools for each stage of development are divided. It brings all these pieces together to form a conceptual database model containing all entities with their attributes and relationships. The design phase is the stage of system development where the architecture is established. It starts with the requirement document delivered by the requirement phase and maps the requirements into architecture. The implementation phase concerned with the user satisfaction where their feedback, comments, suggestions, etc is important to ensure the product delivery to them is satisfied the user requirement. The last two chapter will described about the activity involved in testing phase and determine the testing strategy to be developed in this project. The last chapter it would be the conclusion for the overall project. This chapter will describe about the strength and weaknesses of this system and others responses are stated.

## ABSTRAK

Tujuan penulisan laporan akhir project sarjana muda ini adalah untuk merekodkan segala maklumat mengenai proses yang terlibat semasa membangunkan system ini. Laporan ini mengandungi tujuh bab yang menerangkan setiap proses yang terdapat didalam fasa pembangunan perisian. Laporan ini mengandungi maklumat tentang pendahuluan, literasi dan metodologi, analysis, design, pengujian dan juga kesimpulan bagi keseluruhan projek ini. Dalam fasa pendahuluan ianya menerangkan secara terperinci mengenai latar belakang system yang akan dibangunkan. Selain itu juga ianya menerangkan tentang objektif dan juga masalah yang dihadapi apabila menggunakan system dahulu. Di dalam document ini juga segala metodologi yang sesuai dan bertepatan akan ditentukan untuk digunakan semasa proses pembagunan perisian ini. Seterusnya, dalam bab rekabentuk pula terdapat maklumat yang akan menerangkan rekabentuk antaramuka yang akan digunakan dan juga rekabentuk bagi pengkalan data. Fasa implimentasi ialah fasa dimana sistem mula dibangunkan dan proses mengkodkan sistem bermula mengikut keperluan sistem seperti yang dirancang. Fasa testing pula bermula apabila keseluruhan sistem telah sepenuhnya siap dimana ianya bertujuan untuk mengenalpasti segala 'bug' yang terdapat didalam sistem. Fasa ini adalah penting agar produk yang dihasilkan mengikut kehendak pelanggan. Bab terakhir didalam document ini adalah kesimpulan dari keseluruhan sistem dan juga proses pembangunan.

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## **LIST OF ABBREVIATIONS**

|              |  |
|--------------|--|
| <b>ERD</b>   | <b>Entity Relationship Diagram</b>                   |
| <b>DBMS</b>  | <b>Database Management System</b>                    |
| <b>DDL</b>   | <b>Data Definition Language</b>                      |
| <b>FTMK</b>  | <b>Fakulti Teknologi Maklumat Komunikasi</b>         |
| <b>GLS</b>   | <b>Golf League Secretary</b>                         |
| <b>HTML</b>  | <b>Hypertext Markup Language</b>                     |
| <b>HTTP</b>  | <b>Hypertext Transfer Protocol</b>                   |
| <b>JSP</b>   | <b>Java Server Pages</b>                             |
| <b>OOADM</b> | <b>Object Oriented Analysis and Diagram Method</b>   |
| <b>SDLC</b>  | <b>Software Development Lifecycle</b>                |
| <b>SIGC</b>  | <b>Seremban International Golf Club</b>              |
| <b>SSADM</b> | <b>Structured System Analysis and Diagram Method</b> |
| <b>UML</b>   | <b>Unified Modeling Language</b>                     |

## LIST OF ATTACHMENTS

Figure B1: Gantt Chart

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# CHAPTER I

## INTRODUCTION

### 1.1 Project Background

The Seremban International Golf Club (SIGC) management system is being developed to help the administrator of the golf club to manage all the data that are related to the daily routines. The SIGC is belong to the government of the Negeri Sembilan by which all the committee members is selected among people origin from Negeri Sembilan or residing from this state. The president of this club is hold by the Menteri Besar Negeri Sembilan currently by YAB Dato' Seri Utama Hj. Mohamad B. Hj Hassan.

Refers to the outcome of the study, this golf club still using the conventional method in order to manage all the data and important document. All the documents are kept into files and need more spaces to store it. Although the SIGC already using the standalone system but the fuction is still limited to specified user. The registration, booking, leave application, post application process still using paper based. The current system does not included any updated advertisement that can be access by the club members. The Following problem should be solve by developing the system that will help them to manage all the information.



Regarding to the problems faces by the administrator, all the manual process will be converted to computerized. The web based application will be developed to improved the performance of existing system. This application will provided as much as possible updated information that can be access by the members from everywhere.

The target users of this application is the administrator of SIGC, staff and members of the club. All the authenticate members will be simply gathered the information from this web site. This to be system are divided into three modules and separated into sub module. The modules will be develop is Administrative module, employee modules and member module. The sub modules of this application will be discuss later on.

Last but not least, hopefully from this project i will apply the knowledge and skills that i have learn. Besides that this project give me a lot of practices in how to write a good documentation. From this system has brought a lot of consequence to the SIGC on how to manage the documents and information effectively and efficient. This project also improved my web based programming skills. It is the initial step and training before involved into industrial later.

## 1.2 Problem Statement

This section will describe briefly the problem statement of the current system using by the SIGC. The problem of the current system is state as below:-

- **The current system using are standalone system**

The current system using by the SIGC is a standalone system by which all the function of the system can be used by the authenticated user only. The registration of club members still based on paper. All the information in application form need more staff to manage the data.

- **The spread of information to club members is limited**

The members of the club currently received the information about the activities of the club by letter send by the SIGC. The problem from this method is increasing the number of paper used. The cost of sending the booklet also increases. The probability of lost the booklet send to the members house are may be higher.

- **The data management use considered as not efficient**

The problem face by the SIGC is to manage all the documents and form. The information of the related form need to be computerized to make it easy to organized.

- **Reduce the probability of lost the information**

There are many factors will cause the lost of information. One of the factors is the natural disaster such as fire, flood and etc. So that, the probability of losing all the important data is might be higher

- **Filing procedure might give difficulties to find out some data**

The filing procedure some time will give difficulties to find some data needed in hurry. So much time need to spend to figure out the location of the file. This procedure does not efficient and effective anymore. It is out dated method and not relevant anymore for today business.

- **Space and time consuming to manage all the files and documents**

Regarding to the filing procedure the things must be considered is location to store all the files. The limited of management office the changes are needed to move from the old system to the new system. The time consuming to manage the document is reducing.

### 1.3 Objectives

The objectives of this project will be briefly explained in this section. The following is the objectives:-

To develop the web based application for the Seremban International Golf Club (SIGC).

- To make the SIGC well known by the other people by provided as much information as possible. Consequently this club will become popular and increase the profit.
- To make club members, administrator and staff interact with each other without any obstacle. So any information or other activities will easily give to each others.
- Decrease the number of personnel used to arrange and manage all the data. The Data will automatically store into system database.

## 1.4 Scope

As we know, every project focusing on certain scopes which have its own limitation and boundaries. The following are the scope for SIGC management system:-

The SIGC management system is divided into three main modules that integrated with each others. It is include administrator modules, employee modules and member's modules.

- This system will enable the administrator to update the advertisement, manage data about employee and members of the club. It also to enable the administrator to update the annual activities calendar of the club.
- The second module of this system; employee module will enables staff of SIGC to update certain data allowed by SIGC. There were also can apply leave through this system without using any paper based. The result of the application will be checking in a short time
- The last module of this system is member module which is responsible to provide the club members with information. For the purpose to make any reservation for personal use and function by using online booking. The application to be a new member also can be done by using this system.
- The interface of the application is easy to learn and understand. The function include in this application is user friendly.

## 1.5 Project Significant

The SIGC management system is developing to make the management process more efficient and effective. The existence of this application helps the management department to automate the manual system to computerized system. Through this web based application the SIGC will know by the public which access the web site of this club. On the other hand, it also will help the administrator, employee and members of the club to interact with each other. All the daily business routines can easily handle from anywhere that is connected to the internet.

By using this system, the number of personnel use can be reduce because all the related data from administrator, customer and employee straight forward store in the database. The need a lot of personnel is not the matter to be considered by the administrator. Besides that, the limited space of management office can be used for another purpose. The number of personnel reduces consequently the cost of paying salary also decrease. This phenomenon will increase the business profit indirectly.

Finally, the relationship among the administrator, staff and club members will become closed because of the existence of this application. They can simply communicate with each others. The benefit from this project is the knowledge and skills in programming can be improved.

## **1.6 Expected Output**

At the end of this project, this system will be completed and can be used by the Seremban International Golf Club (SIGC). This system will automatically generate list of staffs and members, summarization of leave taken by staff. All the report generates can be print out reference for the staff, administrator and members. The development of this system will help the administrator to manage the data in only one data store. The process of finding the certain data become easier and just need a short time to retrieve it.

Otherwise I expected this system will register a new members and storage all the data without lost any of data. These applications will lighten the burden done by the administrator.

## **1.7 Conclusion**

As conclusion, these chapters are clearly explained about the initial step before the system is being developed. The background of the system is explained on how actually this system work. All the objectives and problem statements describe why this system should be developed. It's also described the limitations and boundaries of this system.

Finally, the next chapter will described about the literature reviews and the project methodology used to complete this project.

## CHAPTER II

### LITERATURE REVIEW AND PROJECT METHODOLOGY

#### 2.1 Introduction

This chapter will discuss about the literature review and methodology used to develop the Seremban International Golf Club Management System. The literature review is defined as body of text that aims to review the critical points of current knowledge on particular topic. It is usually precedes a research proposal, methodology and results section. Its goal is to update the reader with current literature on a topic and forms the basis for another goal, such as the justification for future research in the area. [Retrieved on 18 January 2008 from [http://en.wikipedia.org/wiki/Literature\\_review](http://en.wikipedia.org/wiki/Literature_review)].

In order to conduct the research, the researcher must first understand the three basic types of source such as general references, primary source and secondary source to doing the literature review. General references deal directly with the researchers' questions that able to describe the project that going to build. Primary sources are publication in which researches report the result of their studies.

To complete the literature review for this project all the data are gathered through searching, collecting, scanning, studying, and analyzing relevant sources as books, journals, CD ROM/DVDs, e-Books, and so on. It is important to ensure that all the data needed is enough and accurate to develop this system.