TESIS APPROVAL STATUS FORM

JUDUL: FENG SHUI DECISION SUPPORT SYSTEM

SESI PENGAJIAN: 2004 / 2005

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FENG SHUI DECISION SUPPORT SYSTEM
A SOLUTION TO IMPROVE YOUR FORTUNE

KO LI LIAN

This report is submitted in partial fulfillment of the requirements for the
Bachelor of Information and Communication Technology (Software Development)

FACULTY OF TECHNOLOGY AND COMMUNICATION TECHNOLOGY
KOLEJ UNIVERSITI TEKNIKAL KEBANGSAAN MALAYSIA
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DEDICATION

Specially dedicated to
my beloved parents, sister and brother who have
encouraged, guided and inspired me throughout my journey of education

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ABSTRACT

In the current *Feng Shui* market, there is no computer-based *Feng Shui* Decision Support System. All consultation and evaluation process is done manually. Hence is very ineffective, time consuming and sometimes the evaluation report is not accurate. Besides that, the consultation fee is very expensive. If a user intent to evaluate the house *Feng Shui* status by himself, he needs to study *Feng Shui* concept. This is very time-consuming and the evaluation report is unreliable. Due to the problem arise in the current market; the *Feng Shui* Decision Support System is built. *Feng Shui* Decision Support System is aims to reduce the *Feng Shui* user and *Feng Shui* DSS's administrator job. Besides that, *Feng Shui* DSS also aims to provide a cost-effective and less-time consuming way for *Feng Shui* user to evaluate their house's *Feng Shui* status. In order to develop the *Feng Shui* DSS, literature research about the relevant topic of *Feng Shui* Decision Support System is conducted. The purpose of literature research is to think critically for finding the method or model for solving the problem arise in the current *Feng Shui* market. Besides that, Prototyping Model has been chosen as a methodology for this project and is implemented along the system development process to ensure the objectives of the project can be fulfilled. *Feng Shui* DSS is built by using ASP. Net, Oracle 9i Server, Crystal Report, JavaScript and CSS. The system consists of two sub systems which is Administrative Sub System and User Evaluation Sub System. Administrative Sub system allows administrator to manipulate the data and flow of the entire system. This sub system will ensure the system flexibility. There are four modules in Administrative Sub System which is Login Module, Major Part Setup, Question Setup and Template Setup. The User Evaluation Sub System will generate report according to answers given by user during Evaluation process. *Feng Shui* DSS is indeed a useful system for end user. End user will feel comfortable and satisfy with the system performance because the system will reduce the end administrator's job and enable user to know the *Feng Shui* status in the most cost-effective and less time-consuming way.

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ABSTRAK

Sistem perkomputeraan yang dapat membantu pengguna untuk menilai *Feng Shui* sesebuah rumah serta memberi nasihat yang sesuai demi kesejahteraan hidup tidak wujud dalam pasaran kini. Semua process penilaian Feng Shui adalah dijalankan secara manual dalam pasaran kini. Maka, proses penilaian ini adalah tidak efektif dan membazir masa. Tambahan pula, ketepatan laporan yang dihasilkan amat dikhuatiri. Selain daripada ini, harga untuk mendapat nasihat dari pakar *Feng Shui* adalah sangat tinggi. Sekiranya seseorang pengguna *Feng Shui* ingin menilai *Feng Shui* rumah secara sendiri, maka konsep Feng Shui perlu dipelajari. Proses pembelajaran konsep *Feng Shui* amat memakan masa and ketepatan penilaian secara sendiri adalah tidak terjamin. Ekoran daripada masalah yang wujud dalam pasaran sekarang, *Feng Shui Decision Support System* telah dibina untuk mengatasi masalah tersebut. *Feng Shui Decision Support System* berhasrat untuk meringankan kerja pengguna *Feng Shui* dan pengurus system ini. Selanjutnya, menawarkan cara penilaian *Feng Shui* rumah yang kos effektif dan menjimat masa pengguna. Untuk membangunkan sistem ini, penyelidikan telah dijalankan untuk mencari penyelesaian yang paling sesuai untuk mengatasi masalah yang wujud dalam pasaran sekarang. Di samping itu, *Prototyping Model* telah dipilih sebagai pegangan dan penunjuk jalan sepanjang proses pembangunan system supaya objektif system ini dapat dicapai. ASP.Net, Oracle 9i Server, *Crystal Report, JavaScript* dan CSS telah digunakan untuk membangunkan system ini. System ini terdiri daripada dua bahagian yang dinamakan sebagai *Administrative Sub System* dan *User Evaluation Sub System* masing-masing. *Administrative Sub System* membenarkan pengurus untuk mangendalian data and aliran bagi seluruh system. Bahagian ini menjamin kebolehlenturan bagi system. Terdapat empat komponen dalam *Administrative Sub System*. Komponen tersebut dipanggil *Login Module, Major Part Setup, Question Setup and Template Setup. User Evaluation Sub System* pula akan menghasilkan laporan penilaian dan nasihat kepada pengguna system sebaik sahaja pengguna habis menjawab soalan penilaian. Kesimpulannya, *Feng Shui Decision Support System* boleh dikatakan sebagai satu sistem yang amat berguna. Pengguna akan berasa puas hati dan selesa sepanjang penggunaan system ini kerana system ini dapat memanfaatkan pengguna dari segi kos yang effektif, menjimat masa pengguna dan meringankan kerja pengguna.

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LIST OF ACRONYMS

ACRONYM	DESCRIPTION
[A]	
AJK	Ahli Jawatan Kuasa
ASP.Net	Active Server Page Dot Net
[C]	
C#	C-Sharp
CSS	Cascading Style Sheet
[D]	
DSS	Decision Support System
[E]	
ER	Entity Relationship
[H]	
HCI	Human Computer Interaction
HTML	HyperText Markup Language
HTTP	Hypertext Transfer Protocol
[I]	
IDE	Integrated Development Environment

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[K]	
KUTKM	Kolej Universiti Teknikal Kebangsaan Malaysia
[M]	
MSDN	Microsoft Developer Network
[P]	
PSM I	Projek Sarjana Muda Satu
PSM II	Projek Sarjana Muda Dua
[S]	
SDM	System Development Method
[T]	
TOAD	Tools for Oracle Application Developer
[U]	
UML	Unified Modeling Language
[V]	
VB.Net	Visual Basic.Net
[W]	
WBS	Work Breakdown Structure
WYSIWYG	What You See Is What You Get
[X]	
XML	Extensible Markup Language

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CHAPTER I

INTRODUCTION

1.1 Preamble/Overview

Feng Shui Decision Support System is an intelligent system that able to help *Feng Shui* user around the world in determining whether their house comprises good *Feng Shui* in a most cost effective and easiest way. Only minimal input is required. After user entered the required fields and answered all questions, evaluation report will be generated automatically. Besides that, *Feng Shui* Decision Support System is aims to reduce the *Feng Shui* Expert job.

Feng Shui Decision Support System is build for administrator and *Feng Shui* user. Administrator who normally is the *Feng Shui* Expert must login to access to administrative function. After login, administrator can manipulate the major part, questions, recommendation and comments dynamically. Besides that, administrator can create, modify or delete a template. A template consists of a group of questions. The questions that need to answer by user during the evaluation process are retrieved from the template. However, no login is required for *Feng Shui* user. *Feng Shui* user can answer all questions and fill in certain required fields in order to view the evaluation report.

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Finally, the *Feng Shui* Decision Support System is a very useful and flexible system which able to bring benefit to both *Feng Shui* user and *Feng Shui* Expert. Besides that, end-user around the world can access to *Feng Shui* Decision Support System 24 hours per day since *Feng Shui* Decision Support System is a web-based system.

1.2 Problem Statement(s)

There are several problems occur in the current *Feng Shui* market that cause inconveniences and difficulty to *Feng Shui* user and *Feng Shui* expert. The *Feng Shui* Decision Support System is built due to problem arise in current *Feng Shui* market.

Feng Shui user or naive always faces difficulties in determine whether their house *Feng Shui* is good or not. Usually, *Feng Shui* naive needs to consume a lot time to study *Feng Shui* knowledge before *Feng Shui* naive can determine the *Feng Shui* status.

Feng Shui users also need to hire an expert to visit their house to determine the *Feng Shui* status. Therefore, *Feng Shui* user needs to pay services to *Feng Shui* expert yet the services charge is very expensive

The problem is not only arising among *Feng Shui* user and naïve, *Feng Shui* expert also need to memorizes all the concept in order to help customer to evaluate the *Feng Shui* status of customer's house. This is quite a burden and inefficient job.

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Besides that, *Feng Shui* Expert needs to do a lot of preparation such as bring the tools needed, revise back *Feng Shui* concept and many more before go for evaluating the *Feng Shui* user house. Moreover, travel to evaluating destination is time-consuming.

In addition, *Feng Shui* user can not get the evaluation report right after the completion of evaluating process. This is because the *Feng Shui* expert needs some period to generate the evaluation report. This evaluation report generation is heavy for *Feng Shui* expert, besides make *Feng Shui* user feel worried about the *Feng Shui* status.

Furthermore, the manual *Feng Shui* evaluation process is constraint by location and time zone. For example a user from Malaysia is hard to invite a *Feng Shui* expert from Britain for evaluating the house *Feng Shui*.

1.3 Objective

There are several objectives for *Feng Shui* Decision Support System. The objective is discussed as below:

a) To help *Feng Shui* user or naïve to determine *Feng Shui* user's house *Feng Shui* status in the most cost-effective way.
b) To help *Feng Shui* user or naïve to determine *Feng Shui* user's house *Feng Shui* status without consume a lot of time.
c) To reduce the job of administrator.
d) To provide a dynamic system that enable administrator to manipulate the major part, template, questions, comments and recommendations.
e) To provide *Feng Shui* evaluation for user around the world 24 hours per day.

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1.4 Scopes

The end user of *Feng Shui* Decision Support System is *Feng Shui* user and administrator who normally is *Feng Shui* Expert. Administrator need to login in order to access to administrative function. However, user does not need to login for evaluation purpose. The procedure for administrator login is means for security purpose and enforces data integrity.

Feng Shui concept in the *Feng Shui* Decision Support System is categorized into 3 main parts which is Basic Concept Evaluation, Main Room Evaluation and *Pa kua lo shu* formula. The 3 main parts is constants and can not be add, update or delete by administrator. The Basic Concept Evaluation will evaluate on several major part such as the location and landscape, shape and structure, *sheng chi*, *shar Chi*, *Yin Yang* and the significant of direction. Main Room Evaluation consists of several major parts such as the main bedroom, living room and dining room. Major part is not constants; therefore administrator can manipulate the major part. The *Pa kua lo shu* is used to determine personal auspicious and inauspicious directions. Formula and answer for *Pa kua lo shu* is constant.

Feng Shui Decision Support System consists of five main modules which are Login Module, Major Part Management Module, Question Management Module, Template Management Module and User Evaluation Module. Login module contains all pages about login and logout function. Whereas, Major part management module consists of all pages about major part manipulation function. Question Management Module encompasses all pages of question manipulation function. While Template Management Module contains all page of template manipulation functions. User Evaluation Module comprise of all pages of user evaluation function.

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