

MEDICAL FACILITIES DATABASE MANAGEMENT SYSTEM

By

MUHAMMAD FAIZAL BIN OSMAN

Report submitted in partial fulfillment
of the requirements for the degree
of Bachelor of Engineering



UniMAP

APRIL 2007

Acknowledgment

First of all I want express my grateful to our mighty god, Allah S.W.T., course giving me this strength and opportunity to complete my project. Also I want to thanks god because give me healthy mind and body to let me doing my job. Secondly, I want say thanks a lot to my parents, my father and my mother for giving me endless moral support and motivation to keep me on track to finish project till the end of this project. To my supervisor, thank you so much for keep supervising me, teach me the right thing to do if I'm wrong, giving me brilliant idea to support my project, show what I do wrong then help me solve the problem and a lot more that I failed to mention here. I also want to say thanks to the librarians to help me find the resource I need to do my project. I want to say thanks also to all my friends for keep supporting me to do this project till the end. Lastly but not least I want to say thanks to whoever had helped me before in this project that failed to mention here.

APPROVAL AND DECLARATION SHEET

This project report titled Medical Facilities Database Management System and Superconductors was prepared and submitted by Muhammad Faizal Bin Osman (Matrix Number: 031020319) and has been found satisfactory in terms of scope, quality and presentation as partial fulfillment of the requirement for the Bachelor of Engineering (Computer Engineering) in University Malaysia Perlis (UNIMAP).

Checked and Approved by

(Pn. Hasliza Abdul Rahim)
Project Supervisor

School of Computer and Communication Engineering
University Malaysia Perlis

April 2007

TABLE OF CONTENTS

	Page
ACKNOWLEDGMENT	i
APPROVAL OF DECLARATION SHEET	ii
ABSTRAK	vii
ABSTRACT	viii
TABLE OF CONTENTS	iii
LIST OF FIGURES	vi
CHAPTER 1 INTRODUCTION	
1.1 Introduction	1
1.2 Objective	2
1.3 Scope of Project	2
1.4 Project Outline	3
CHAPTER 2 LITERATURE REVIEW	
2.1 Database Management System	4
2.1.1 Background History	4
2.1.2 Overview of Database	4
2.1.3 Features and Abilities	8
2.2 Medical Facilities	10
2.2.1 Basic Data Requirement from Patient	10
2.3 Previous Database	11
2.3.1 Previous Medical Facility Database Management System	11
2.3.2 Advantages	12
2.3.3 Disadvantages	12

2.4	Microsoft Access	13
2.4.1	Development	14
2.4.2	Access and Use Information from Multiple Sources	16
2.4.3	Depend on Access 2003	17
2.4.4	Share Information with Confidence	18

CHAPTER 3 METHODOLOGY

3.1	Stage 1	Planning	
			19
3.1.1	Flow chat of designing this project		19
3.1.2	Overview		20
3.2	Stage 2	Implementation of Project	
			20
3.2.1	Creating the system interface		20
3.2.2	Creating system database		23
3.2.3	Link database with system interface		25
3.3	Stage 3	Pseudo Code	
			27

CHAPTER 4 RESULT AND DISCUSSION

4.1	Result	29
4.2	Discussion	29

CHAPTER 5 CONCLUSION

5.1	Summary	31
5.2	Recommendation for future project	32

REFERENCE	33
------------------	-----------

APPENDICES

Appendix A

35

Appendix B

38

© This item is protected by original copyright

LIST OF FIGURES

Figures No.		Page
2.1	Previous Database Interface	11
3.1	First step – Visual Basic 6.0	20
3.2	Second step – Visual Basic 6.0	21
3.3	Third step – Visual Basic 6.0	21
3.4	Final step – Visual Basic 6.0	22
3.5	First step – Microsoft Access 2003	23
3.6	Second step – Microsoft Access 2003	23
3.7	Third step – Microsoft Access 2003	24
3.8	Final step – Microsoft Access 2003	24

PENGURUSAN SISTEM PANGKALAN DATA KEMUDAHAN PERUBATAN

Abstrak

Projek pengurusan sistem pangkalan data kemudahan perubatan ialah untuk mengurus data-data yang berada di kawasan kemudahan perubatan seperti klinik dan hospital. Sistem ini akan membantu untuk menyimpan dan mempercepatkan lagi proses mendapatkan semula data dan sejarah perubatan pesakit. Selain data pesakit, sistem ini juga boleh menyimpan maklumat mengenai pekerja, stok ubat-ubatan dan stok alat kegunaan kemudahan perubatan. Sistem ini juga boleh membantu untuk mungurangkan kawasan perfailan data pesakit yang selalunya mengambil tempat yang luas dalam sesebuah kemudahan perubatan. Selain itu, sistem ini juga mempunyai pangawalan kata laluan untuk mengelakkan data pesakit dari dicuri atau dipadam oleh orang luar dan orang yang tidak bertanggung jawab. Sistem ini mempunyai saiz memory yg luas untuk menyimpan data yg banyak. Saiz sistem ini bergantung pada saiz cakera keras di dalam komputer yg digunakan. Contohnya jika satu data bersaiz 100 kilobyte, dgn cakera keras 40 gigabyte sistem ini boleh menyimpan hampir 40000 data. Ini membuktikan bahawa system ini telah memang dapat menyimpan data yang banyak. Dengan sistem ini juga, ia boleh membantu kemudahan perubatan untuk menyimpan dan mendapatkan kembali data pesakit tanpa membuang masa dengan lebih laju daripada sistem perfailan yang sedia ada.

MEDICAL FACILITIES DATABASE MANAGEMENT SYSTEM

Abstract

Medical Facilities Database Management System is a project to manage the data of medical facilities such as hospital and clinic. This system will help to store and hasten the process of retrieving patient medical history and data. Not only patient data, this system also can store the information of staff, medicine stock and inventory stock data. This system also can help to minimize the area for filing patient data that was always used large space in medical facilities. Others, this system have security password to prevent data stolen or delete by any outsider and entrusted person. This system has the wide memory to safe large amount of data. This system size is depending on the computer's hardisk. Example each data size is 100 kilobyte, for computer that is using 40 gigabyte hardisk, it cans safe almost 40000 data. This can prove that this system surely can store large amount of data. With this system, it will help the medical facilities to store and retrieve data without wasting time and faster than existed failing system.