UNIVERSITI TEKNOLOGI MARA

E – SERVICES SYSTEM (A CENTRALIZED ASSISTANCE)

MOHAMAD HANIS BIN ABU CHEK 2009274556

Thesis submitted in fulfillment of the requirements for Bachelor of Science (Hons.) Netcentric Computing Faculty of Computer and Mathematical Sciences

April 2011

ACKNOWLEDGEMENT

In The Name of ALLAH, Most Gracious, Most Merciful and big Gratitude to Prophet Muhammad SAW...

First of all, I would like to thank Allah SWT because without His permission I would not have the chance to complete my final year project in order to complete my course, Bachelor of Science (Hons) Netcentric Computing. In addition, I would like to thank all the people around me that have given me a lot of support and guidance during the completion of this project.

A special thanks to my supervisor Puan Zolidah Kasiran who have helped me a lot during the times when I needed help the most. Friends and family that keep motivating, praying for me and helping me in order to make sure I do well in my final year project I cannot thank you enough. Finally I would like to take this opportunity to record my greatest appreciation for all the encouragement, tolerance and cooperation that have been given to me nonstop until I managed to complete my final year project. THANK YOU.

TABLE OF CONTENTS

CONTENTS		PAGE
APPROVAL	_	il
DECLARATION OF ORIGINALITY		iii
ACKNOWL	EDGEMENT	iv
TABLE OF	CONTENTS	v
LIST OF FIG	GURES	ix
LIST OF TABLES		xi
ABSTRACT	•	xii
CHAPTER	R 1: INTRODUCTION	
1.0	Project Background	1
1.1	Problem Statement	
1.2	Project Objectives	
1.3	Project Scope	3
1.4	Project Significance	4
CHAPTER	R 2: LITERATURE REVIEW	
2.0	Introduction	5
2.1	The World Wide Web	5
2,2	The World Wide Web Technology Arc	nitecture 6
	2.2.1 Design Space tree of the	World Wide Web 6
2.3	Web Application	8
	2.3.1 Web application definition	n 8
	2.3.2 Web application framework	ork 8
2.4	Web Server	11
	2.4.1 Apache web server	11

	2.5	The Related works	12	
		2.5.1 RILEK Online Services	12	
		2.5.2 PayOnline	14	
		2.5.3 Sistem pembayaran saman secara mobile	15	
CHAPTER 3: METHODOLOGY				
	3.0	Introduction	16	
	3.1	Planning Phase	18	
		3.1.1 Hardware Requirement	19	
		3.1.2 Software Requirement	20	
		3.1.3 Project Milestones	20	
	3.2	Design Phase	21	
		3.2.1 Business Rules	22	
		3.2.2 Flowchart	23	
		3.2.3 Entity Relationship Diagram	26	
		3.2.4 Zero Diagram	27	
		3.2.5 Use Case Diagram	28	
		3.2.6 Data Dictionary	30	
3.3 Development Phase			36	
		3.3.1 Web server installation	36	
		3.3.2 Database Development	40	
	3 4 T	esting and Evaluation Phase	44	

ABSTRACT

The Security Department of UiTM Shah Alam has always tried to provide the best services that they could offer to the students. However, some typical problem such as time, energy and paper waste tend to happen, miscommunication, natural disaster problems, and lastly it is hard to find a specific data rapidly because they use the manual filling system. The aim of this project is to centralized all those services that the Security Department provide and create a web based system that could be easily accessed by students using the internet. By using this system, Summons management, Vehicle parking sticker application and making Complaints could not be easier. On top of that, with the integration of Electronic Mail (e-mail) notification within the system it would increase the reliability and efficiency of the system. In addition, since the system was built using the PHP language and Mysql database the cost of using it is zero because both of them are an Open Source Software. Finally, by implementing the use of this system in the Security Department Of UiTM Shah Alam it is hoped to be a great help to ease and assists the students here to use the services provided by the Security Department without any hassle.