

Universiti Teknologi MARA

**Design And Development of Lecturer's
Evaluation System**

Razeli Bin Sani

Thesis submitted in fulfillment of the requirements for
Bachelor of Science (Hons) Information Technology
Faculty of Information Technology And
Quantitative Science

April 2008

Acknowledgement

First and foremost I would like to express my highest gratitude to Allah S.W.T, the Almighty for granting me the will and strength to finish this project on time. Without His blessing and permission, this research could not have been completed.

Secondly, I would like to express my. gratitude to all my family members, who cares about me, and giving me all the support that they can in hoping that I will be successful in anything that I do. Without their support, it would be a hard time for me to finish this project.

Next to my thesis supervisor, Encik Ahmad Zambri b. Shahuddin, for his support and hospitality throughout the course of this project, the one that I won't forget, Pn. Rozianawaty Osman my course coordinator for a special deep motivation given to me along the time. I would like to give a big thanks to all of them for encouraging and believing me in all of this time.

Last but not least, I would like to give my thanks to the interviewees for the feedback given, my friends whose there for me when I needed someone to share my problems and to the entire person involve direct or indirectly. Thanks for the inspiring me in such a means that could not be written in words.

Abstract

UiTM is Malaysia's premier institution of higher learning that has experienced an extraordinary growth since its inception in 1956. One of the practices that use in this university is implementing lecturer's evaluation practice. This practice is used to obtain students response regarding the course, the performance of the lecturers' teaching and the condition of the lecture room. This feedback is important in helping UiTM to get better the quality of its teaching and learning. The practice is compulsory for the all faculties including Faculty of Information Technology and Quantitative Science (FTMSK) exercise it. In the FTMSK the lecturers evaluation is implemented using OMR form and distributed during class. Since this practice is still use the manual way a prototype web application system is design and developed based on the observation on how this thing work based on the practice currently uses by the FTMSK. The development of this project uses the System Development Life Cycle and uses the Waterfall model. There are 3 user that is identified to used this system; Students, Lecturers and Administrator. The student will be able to do their evaluation online, lecturer can see the result report and the administrator can manage the evaluation and questions also can view report. This system also can keep the previous evaluation data and the report of the responses can be viewed by administrator. Hopefully with this developed system, can be a useful reference for the UiTM or any other organization to develop a similar system.

TABLE CONTENTS

CONTENT	PAGE
Approval	i
Declaration	ii
Acknowledgement	iii
Abstract	iv
Table of Contents	v
List of Figures	vi

CHAPTER ONE: INTRODUCTION

1.1	Project Background	1
1.2	Problem Statement	2
1.3	Project Objective	3
1.4	Project Scope	3
1.5	Significance of Research	4

CHAPTER TWO: LITERATURE REVIEW

2.1	System Engineering	5
2.2	Web-based System	6
2.3	Dynamic Web Page	7
	2.3.1 Client Side	8
	2.3.2 Server Side	9
2.4	PHP	10
	2.4.1 Advantages of PHP	11
2.5	MySQL	12
	2.5.1 Advantages of MySQL	13
2.6	Evaluation	14

CHAPTER THREE : METHODOLOGY

3.1	System Development Methodology	17
3.2	Waterfall Model	18
3.3	Hardware and Software Required	20

CHAPTER FOUR : DESIGN AND DEVELOPMENT

4.1	Introduction	21
4.2	Requirement Checklist	21
4.3	Data Flow Diagram	22
	4.3.1 Context Diagram DFD	23
	4.3.2 Diagram 0 DFD	24
4.4	Data Design	26
	4.4.1 Normalization	26
	4.4.2 Entity Relational Diagram	27
4.5	Flow Chart	28
	4.5.1 Flow Chart For Student	29
	4.5.2 Flow Chart For Lecturer	30
	4.5.3 Flow Chart For Student	31
4.6	Visual Modelling	32
	4.6.1 Use Case Diagram	32
	4.6.2 Sequence Diagram	34
4.7	Summary	40

CHAPTER FIVE: TESTING AND RESULT ANALYSIS

5.1	Functionalities ofLecturer's Evaluation System for Student	41
5.2	Functionalities ofLecturer's Evaluation System for Lecturer	45
5.3	Functionalities of Lecturer's Evaluation System for Admin	5 0
5.4	Testing And Result	58

CHAPTER SIX: CONCLUSION AND RECOMMENDATION

6.1	Conclusion	59
6.2	Benefit of the System	59
6.3	Weakness of the System	60
6.4	Future Work	60

REFERENCES

APPENDIX