

Universiti Teknologi MARA

**The Development of
Student Assessment Marks Application**

Aishah Haris

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

April 2006

ACKNOWLEDGEMENT

Alhamdulillah, praise to Allah swt, the Almighty and Merciful for His guidance and blessing in making it possible for this research paper to be completed in time. I gratefully acknowledge and express sincere appreciation to the following people who has contributed towards making this research paper a reality.

Firstly, I would like to express my highest gratitude to my advisor, Puan Nor Azimah Khalid, on the comments, wise advice, continuous guidance and explanation and for the general supervision in the preparation of this research paper. Without the commitment and help, I would not have been able to complete this project paper.

My special thanks to Puan Suzetty Ezzra Mohd Sanusi and other administrative staffs of Faculty of Information Technology & Quantitative Sciences for their supportive cooperation and resourceful information, thank you so much for the help.

I also wish to express my gratitude to Puan Marina Yusoff, Coordinator of ITC599 and also to the lecturers, students and staff of UiTM Shah Alam.

Last but certainly not least, special thanks is owing to my parents and friends for their support and encouragement, and also to those people who are involve in this project paper directly or indirectly. Without all these people mentioned above, it's impossible for me to complete this paper.

With this I'm proud to present my work. Any error or omission which inevitably occurs shows that I've a lot more to learn. Whatever shortcoming encountered remains my imperfection.

Thank you.

ABSTRACT

A web application is an application delivered to users from a web server over a network such as the World Wide Web or an intranet. The activities involved are data input, processing of data to information, storage of data and information, and the production of outputs. The Student Assessment Marks Application is developed for the Faculty of Information Technology and Quantitative Sciences, and to be implemented online in order to make ease of the lecturers in managing and producing their students' carry marks and for providing better options for the students in viewing their assessment marks. The purpose of this project is to identify the current practice of evaluating the carry marks and what are the criteria or elements involve in calculating them. The research is carried out by conducting a survey, making interviews, and by doing a literature search. Based on the analysis of data obtained, most of the lecturers are using Microsoft Excel in calculating the students' assessment marks, while the students are able to view their marks in front of the lecturer's office. Besides, it is identified that the lecturers are evaluating the students based on the elements such as quizzes, tests, projects and assignments. The Student Assessment Marks Application is developed and successfully tested to few users in order to identify its strength and weaknesses. Findings show that this application has met its aims as proposed. This application is easy to use and also provides easy information retrieval. It is found out that assurance is the most significant for the users followed by reliability when using the application online. After a few modifications, the application is implemented and will be monitored continuously to ensure enough support and is well maintained.

TABLE OF CONTENTS

CERTIFICATION OF ORIGINALITY	i
ACKNOWLEDGEMENT	ii
ABSTRACT	iii
TABLE OF CONTENTS	iv
LIST OF TABLES	vi
LIST OF FIGURES	ix
LIST OF ABBREVIATIONS	x
CHAPTER 1: INTRODUCTION	
1.1 Background of Project	1
1.2 Problem Statement	2
1.3 Aims of the Research	3
1.4 Objectives of the Research	3
1.5 Scope of the Research	4
1.6 Significance of the Study	5
CHAPTER 2: LITERATURE REVIEW	
2.1 Terms and Definitions	
2.1.1 Apache HTTP Server	6
2.1.2 PHP	6
2.1.3 MySQL	7
2.1.4 phpMyAdmin	7
2.1.5 UML Modeling	7
2.1.6 User Interface	8
2.2 Similar Project/Approach With Current Research	
2.2.1 Classroom Assessment in Web-based Instructional Environment: Instructor's Experience	9
2.2.2 Importance of Online Assessment in the E-learning Process	10
2.2.3 Structure of an E-Learning Assessment Process	12

CHAPTER 1

INTRODUCTION

1.1 Background of Project

In software engineering, a web application is an application delivered to users from a web server over a network such as the World Wide Web (www) or an intranet. The ability to update and maintain web applications without distributing and installing software on potentially thousands of client computers is a key reason for their popularity. Web applications are used to implement web mail, online retail sales, online auctions, discussion boards, weblogs, and perform many other functions.

The development of Student Assessment Marks Application is one of web applications that can help the management of the Faculty of Information Technology & Quantitative Sciences (FTMSK) in organizing its students' assessment marks. This research paper is carried out to study the current practice of the students' assessment and to identify the criteria needed in calculating them.

Besides that, data are collected to identify the lecturers and students perceptions on the current practice of marks assessment and their expectation on the proposed application.

The development of this automated system is expected to eliminate the problems faced by the lecturers in generating the marks and for the convenient of the students in viewing their carry marks.