

Universiti Teknologi MARA

Developing an Online Leave Application (OLA)

**Mohd Ikhsan bin Md Raus
2004633385**

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

27th April 2006

DECLARATION

I certify that this thesis and the research to which it refers are the product of my own work and that any ideas or quotation from the work of other people, published or otherwise are fully acknowledged in accordance with the standard referring practices of the discipline

27th APRIL, 2006

.....
MOHD IKHSAN BIN MD RAUS
2004633385

ACKNOWLEDGEMENT

*With the name of Allah the most Gracious, the most Merciful creator,
I seek His Blessing on His Prophet Muhammad s.a.w*

All praise and glory be to Allah S.W.T whose infinite generosity has given me the strength to complete this final project in time.

My sincere gratitude, thanks and most appreciation goes to Mrs. Juliana Hamka bte Kamaroddin as my supervisor, Mrs. Wan Nor Amalina bte Wan Hariri as my thesis coordinator and my course tutor Mr. Saharudin Naim Tahir Shah for their guidance, encouragement, comments and references. They are such a great person who has paved the way for me throughout the overall research project.

I would also like to express my grateful thanks to all my colleagues for their opinion, suggestion and cooperation they gave. Also thanks for their morale support during the months I spent preparing this final project.

To my beloved parents and family, who are always there for me whenever I need them and million of thanks for all the supports, blessing, loves and financial support they give to me. Finally, to whom I failed to mention, who directly contributed to this project. Thank you very much.

ABSTRACT

This project prepared for Administration Department under Faculty of Information Technology and Quantitative Science (FITQS). The prototype of Online Leave Application (OLA) enables staff from this faculty to interact with the system. The target users are academic staffs, which are lecturers, non-academic staffs and administrator. This system contains common online information of staffs, ease to apply the leave, ease submitting the approval applied leave, ease to retrieve up to date of leave information. The main concern is on how staff from anywhere can apply the leave at anytime they want within the UiTM. The objective of this system is to automate the processes of applying and approving the leave. Besides that, it also supported by other functions such as view calendar leave information. Researcher has adopted the research methodology model from book entitled *Object-Oriented System Analysis and Design using UML* (Simon Bennett, Steve McRobb and Ray Farmer, 2002). Researcher has discussed a lot about the result and findings of knowledge acquisition in the early part of this chapter. This project was conducted using open source technology, which using the OpenACS web application framework including the AOLserver web server, TCL scripting language, and the PostgreSQL relational database management system (RDBMS).

TABLE OF CONTENTS

CONTENT	PAGE
APPROVAL	ii
DECLARATION	iii
ACKNOWLEDGEMENT	iv
ABSTRACT	v
LIST OF TABLES	xi
LIST OF FIGURES	xii
LIST OF APPENDICES	xiv
LIST OF ABBREVIATION	xv
 CHAPTER 1: INTRODUCTION	
1.1 Problem Background	1
1.2 Problem Statement	5
1.2.1 View Leave Calendar Information	6
1.2.2 Set Replacement Class	6
1.2.3 Additional Types of Absences in e-Cuti	7
1.3 Project Objectives	7
1.4 Project Scope	8
1.5 Significance of Research	9
1.6 Overview of Report	10
1.6.1 Chapter 1	10
1.6.2 Chapter 2	10
1.6.3 Chapter 3	10
1.6.4 Chapter 4	10