Requirement Model for UUM E- Alumni Club

BURHAN DAOUD AS'AD AMARAH

UNIVERSITI UTARA MALAYSIA
2008

Requirement Model for UUM E- Alumni Club

This thesis is presented to the Graduate School
In fulfillment of the requirements for
Master of Science (Information and Communication Technology)
Universiti Utara Malaysia

By

Burhan Daoud As'ad Amarah (800239)

KOLEJ SASTERA DAN SAINS
(College of Arts and Sciences)
Universiti Utara Malaysia

PERAKUAN KERJA KERTAS PROJEK
(Certificate of Project Paper)

Saya, yang bertandatangan, memperakukan bahawa
(I, the undersigned, certify that)

BURHAN DAOUD AS'AD AMARAH
(800239)

calon untuk Ijazah
(candidate for the degree of) **MSc. (Information Communication Technology)**

telah mengemukakan kertas projek yang bertajuk
(has presented his/her project paper of the following title)

REQUIREMENT MODEL FOR UUM E-ALUMNI CLUB

seperti yang tercatat di muka surat tajuk dan kulit kertas projek
(as it appears on the title page and front cover of project paper)

bahawa kertas projek tersebut boleh diterima dari segi bentuk serta kandungan dan meliputi bidang ilmu dengan memuaskan.
(that the project paper acceptable in form and content, and that a satisfactory knowledge of the field is covered by the project paper).

Nama Penyelia Utama
(Name of Main Supervisor): **ASSOC. PROF. DR. WAN ROZAINI SHEIK OSMAN**

Tandatangan
(Signature) : Rozaini

Tarikh
(Date) : 16/11/08

PERMISSION T0 USE

In presenting this thesis in partial fulfillment of the requirements for a post-graduate degree from Universiti Utara Malaysia, I agree that the University Library may make it freely available for inspection. I further agree that permission for copying of this thesis in any manner, in the whole or in part, for scholarly purposes may be granted by my supervisor or in his absence, by the Chairman of Applied Science. It is understood that any copying or publication or use of this thesis or parts thereof for financial gain shall not he allowed without my written permission. It is also understood that due recognition shall be given to me and to Universiti Utara Malaysia for any scholarly use which may be made of any materials for my thesis.

Requests for permission to copy or to make other use of materials in this thesis, in whole or in part should be address to:

Chairman of Applied Science

College Art and Science

Universiti Utara Malaysia

06010 DUM Sintok

Kedah Darnl Aman

ACKNOWLEDGEMENT

First and for most my gratitude to Allah (exalted be his majesty) who gave us life and his guidance. His chosen last messenger Muhammad (peace be upon him) who strived for the salvation of mankind from the darkness of ignorance to the light of Islam.

I owe a big personal debt to my family, especially my beloved father and mother who support me in all of my life and to my dear brothers As'ad , Khaled, Hashem, Malek, Ahmad and to my beloved sisters for their love and support in every part of my life.

My sincere and heartfelt thanks and appreciation to my supervisor Assoc. Prof. Dr. Wan Rozaini Bt Sheik Osman who helped me from the first day I arrived to Malaysia and Ms.Rafidah Abd Razak, Ms.Haslina Mohd for their guidance, continuous help and feedback. They have inspired me through the writing of this thesis.

Special thanks to all my friends who helped, supported me and shared knowledge to complete this thesis. I like to thank all my friends who spend beautiful times with me during my study in Malaysia, without preference:

Dr.Omar Almomani, Dr.Ahmad Shatat, Dr.Osama Qtaish, Dr.Ahmad Qutaishat, Abdulluah Almomani, Ahmad Omer, Basher Barakat, Mr.Abdullah Alkhawaja, Ayman Alkhaldi, Mohammed Alnaji, Ali Alsrhan, Yousef Kamal, Mahmud Karimov, Mohammed Anbar, Ehab Mashal, Mashal Alqudah and Musab Alqudah

Dedicated to,,,,,,,

My Loving family

اهداء الى ,,,,

عائلتي

Abstract

The twenty-first century have witnessed several major technological renaissances and many technological achievements as well, which led to a competition among many countries to adapt this trend. Malaysia had improved the infrastructure needed in the information and communication technology area, in order to provide the universities with the new technologies. Therefore the use of the technology becomes available inside the universities.

To develop the web-based E-Alumni Club, the study will use the methodology for this study is based on the general methodology in research design, because it is have the logical phases that used to develop a prototype for web-based E-Alumni Club that developed for the Alumni Centre in UUM. To help the student to be closely with graduates student with each other and giving advice and guidance to them by the universities and take advantage of their positions in the service of new graduates and provide feedback to the universities.

Finally, the system is tested and the result confirms that the proposed system is successful.

TABLE OF CONTENT

List of Figures

List of Tables

CHAPTER 1

INTRODUCTION

1.1 Introduction

This chapter provides a description to the study. It contains the background of the study, significance of the study, problem statement, and research questions, objectives of the study and scope of the study and limitation of the study.

1.2 Background to the study

The rapid development of Internet technology World Wide Web in the past decade has dramatically increased to solve complicated problems in many fields such as organizations, companies and universities. Many of universities enhance their activities through the web. The web as a part of the internet application has changed the way of the transactions through developing web applications in order to facilities the activities (Sridharan, 2004).

According to Mclean Report (2007) a requirements model is "a representation, usually with both diagrams and text, of the problem or the solution"(McLean Report,2007).

The contents of the thesis is for internal user only

References

Abbott, J. (2008). Net services presentation, Jakarta Tomcat for NetWare Jim Abbott Product Manager Java Technologies. www.novell.com

About.com.(2008). Advantage of online fund raising retrieved October 5, 2008 from http://privateschool.about.com/od/financial/qt/onlinefund.htm

Analisis Rekayasa Perangkat Lunak.(2006).OOSE – Analysis Requirement Model

Answers.(2008). Answers Corporation retrieved July 5, 2008 from http://www.answers.com/topic/alumn

Carvalho . (2004). Sequencing ICT in Post-Conflict/Low-Capacity Countries Undergoing Decentralization http://www1.worldbank.org/publicsector/decentralization/March2005Seminar/3Carvalho/Carvalho%20Draft%20%20Sequencing%20ICT%20in%20Post-Conflict%20Countries%20Undergoing%20Decentralization.pdf

Anna University .(2008).Alumni Club retrieved October 1, 2008 from http://alumniclub.in/

Auckland. (2004). web application. Retrieved September 16, 2008 from http://www.cs.auckland.ac.nz/tukutuku/help.htm

Barker, D. (2000). Requirements Modeling Technology: A Vision for Better, Faster, and Cheaper Systems. IEEE Computer Society. Retrieved: March 25, 2008. From: http://www.ittc.ku.edu/Projects/rosetta/downloads/barker-viuf00.pdf

Bekhet.H.(2006). Software packages SPSS. Faculty of Economics & Administrative Sciences. Al-Zaytoonah Private University of Jordan.Jordan.

Berkeley University. (2008) .Berkeley's international alumni clubs retrieved July 3, 2008 from http://international.berkeley.edu/alumni-clubs/

Bob Baxley. (2003). what is a Web Application?. Boxes and Arrows. Retrieved September 26 , 2008 from http://www.boxesandarrows.com/archives/what_is_a_web_ application.php.

Chitnis.M.(2008). Creating Use Case Diagrams. Retrieved September 20, 2008 from http://www.developer.com/design/article.php/2109801

Clifford.J.(1998). Advanced Java Development for Enterprise Application, Published by Prentice Hall PTR New Jersey. Retrieved September 25, 2008 from http://www.shazsoftware.com/design.htm

Curtin, (n.d). Curtin University of Technology Sarawak Malaysia retrieved July 6, 2008 from http://www.curtin.edu.my/alumni/definition.htm

David Plans Casal (2005). Advanced Software Development for Web application

David William Brown. (2002). An Introduction to Object-Oriented Analysis John Wiley & Sons, ISBN 0471371378. Retrieved September 10, 2008 from http://www.wiley.com/college/brown/0471371378/ppt/ch06.ppt.

Dennis.A,& Haley.B ,& Tegarden.D. (2002). System Analysis & Design, An Object – Oriented Approach with UML. John Wiley & Sons, ISBN 0-471-41387-9.

Dennis G. Jerz (2000).Usability Testing: What is it? Retrieved February 22, 2008 from http://jerz.setonhill.edu/design/usability/intro.htm.

Fowler.M, & Scott.K.(2000) UML Distilled Addison-Wesley. Retrieved October 20, 2008 from http://atlas.kennesaw.edu/~dbraun/csis4650/A&D/UML_tutorial/use_case.htm

Geekazoid & Friends. (1999). GEEK SPEAK GLOSSARY. retrieved July 8, 2008 from http://www.geekazoid.com/geekspeak.

Gomaa, H. (2004). Designing Software Product Lines with UML: From Use Cases to Pattern-Based Software Architectures: Addison Wesley.

Heidelberg University .(2008). Heidelberg Alumni International retrieved July 3, 2008 from http://www2.zuv.uni-heidelberg.de/aaa/alumni/en/

Jacobson, I., & Ng, P.-W. (2004). Aspect-Oriented Software Development with Use Cases: Addison Wesley Professional.

Karakaya, F. & Charlton E.T. (2001). Electronic Commerce: Current and Future Practices. Managerial Finance, 27 Number 7, pp. 42-53.

Kurose, J .,&Ross, K.(2008).Computer Networking Atop-Down Approach.(4 ed).pearson

Laudon, K.C. & Laudon, J.P. (2003). Management Information System. Managing the Digital Firm, Eighth Edition Book

Liu,C,H.,& Kung,D.,& Hsia,P.,& Hsu,C.(n.d). Structural Testing of Web Applications, *Department of Computer Science and Engineering*. USA

Maimunah .(2008).Head of alumni centre. Student Affairs Department. University Utara Malaysia

Malaysian International Student & Alumni (MISA). (2008) retrieved July 3, 2008 from http://misa.studymalaysia.com/about/index.php

Martin Fowler. (2004). UML Distilled: A Brief Guide to the Standard Object Modeling Language. (Third edition). Addison-Wesley.

McLean Report,(2007). Requirement Models: The What, When, and Why. Info-Tech Research Group

Nielsen's, J. (2006). *Quantitative Studies: How Many Users to Test?* Retrieved sep 20, 2007 from. http://www.useit.com/jakob/

Rational Software Corporation. (2003). Rational unified process. On-line version.

Ramayah, T. & Jantan, M. (2003). Intention to Purchase through the World Wide Web (WWW): The Malaysian Experience. The Third International Conference on Electronic Commerce Engineering (ICeCE2003)

Rosenberg, D., & Scott, K. (2001). Applying Use Case Driven Object Modeling with UML: An Annotated e-Commerce Example (first ed.): Addison Wesley

Sawma V. D. (2003), a dissertation of E-commerce Security, A New Methodology for Deriving Effective Countermeasures Design Models. Ottawa, Canada.

Servlets. (2008). Intro and Overview Customized Java EE Training. Developed and taught by well-known author and developer. At public venues or onsite at your location, Marty Hall.

SPSS.(2007). Technical Support. Retrieved February 22, 2008 from http://support.spss.com/

Sridharan, K. (2004). A course on web languages and web-based applications. Education, IEEE Transactions on Volume 47, Issue 2, May 2004 Page(s): 254 – 260 Digital Object Identifier 10.1109/TE.2004.825228

SUN. (2008) . A Sun Developer Network Site (sdn), Retrieved September 23, 2008 from http://java.sun.com/products/jsp/overview.html#1

Sun, D., & KennyWong. (2005). On Evaluating the Layout of UML Class Diagrams for Program Comprehension. Paper presented at the Proceedings of the 13th International Workshop on Program Comprehension.

Thangaraj,S.(n.d) . Introduction to Unified Modeling Language (UML), NCICB Software Development Processes Facilitating Systems Interoperability.

UML.(2000). Introduction to UML Software Engineering,CS577a.

Wasson, C. S. (2006). System Analysis, Design, and Development Concepts, Principles, and Practices: A John Wiley & Sons, Inc.

Webopedia. (2008). CERN. Retrieved October 1, 2008 from http://www.webopedia.com/TERM/C/CERN.htm.

Wikipedia.(2008). JavaServer Pages compiler retrieved October 15,2008 from http://en.wikipedia.org/wiki/JSP_compiler

Your Dictionary .(2008).alumnus Definition retrieved October 1,2008 from http://www.yourdictionary.com/alumnus