BORANG PENGESAHAHAN STATUS TESIS

JUDUL: KUTKM ALUMNI System

SESJI PENGAJIAN: 2005

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(HURUF BESAR)

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This report is submitted in partial fulfillment of the requirements for the Bachelor of Computer Science (majoring in Software Development)
DECLARATION

I hereby declare that this project report entitled

KUTKM ALUMNI SYSTEM

is written by me and is my own effort and that no part has been plagiarized
without citations.

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ABSTRACT

The proposed software system called KUTKM Alumni as the final project for PSM. KUTKM Alumni is a system that has been proposed to be developed and implemented for ex-students of Kolej Universiti Teknikal Kebangsaan Malaysia. The gain for this system is to make the ex-students of KUTKM easy to keep in touch with friends either old, new or current friends. This system will work out as the “man in the middle” for the members to stay reconnects with their friends. This KUTKM Alumni is maybe the same as other alumni website, but new features and other function that suitable for the students environment will be added and this will make the system is little different from other alumni website in this country. These systems also apply a new communication technology which is SMS. The methodology applied in developing this system is OOAD. So with all chapter that will do, such as introduction, literature review, design and analysis, all the problem can be identify and this problem can be solved. Therefore, with this new system members can still reconnect with each other no matter what, how, where they are.
ABSTRAK

# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>CHAPTER</th>
<th>SUBJECT</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>DECLARATION</td>
<td>ii</td>
</tr>
<tr>
<td></td>
<td>ACKNOWLEDGEMENTS</td>
<td>iii</td>
</tr>
<tr>
<td></td>
<td>ABSTRACT</td>
<td>iv</td>
</tr>
<tr>
<td></td>
<td>TABLE OF CONTENTS</td>
<td>vi</td>
</tr>
<tr>
<td></td>
<td>LIST OF TABLES</td>
<td>x</td>
</tr>
<tr>
<td></td>
<td>LIST OF FIGURES</td>
<td>xi</td>
</tr>
<tr>
<td></td>
<td>LIST OF ABBREVIATIONS</td>
<td>xiii</td>
</tr>
<tr>
<td>CHAPTER I</td>
<td>INTRODUCTION</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1.1 Introduction</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>1.2 Project Background</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>1.3 Problem Statement(s)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>1.4 Objective</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>1.5 Scope of Project</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>1.6 Project Significance</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>1.7 Expected Output</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>1.8 Conclusion</td>
<td>9</td>
</tr>
<tr>
<td>CHAPTER II</td>
<td>LITERATURE REVIEW AND</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PROJECT METHODOLOGY</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2.1 Introduction</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>2.2 Fact and Finding</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>2.3 Project Methodology</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>2.4 Project Requirement</td>
<td>25</td>
</tr>
</tbody>
</table>
CHAPTER III ANALYSIS

3.1 Introduction...........................................29
3.2 Problem Analysis...........................................30
  3.2.1 Background of current system.......................30
  3.2.2 Problem statement...................................32
3.3 Requirement Analysis......................................32
  3.3.1 Functional requirement..........................33
  3.3.2 Business flow.....................................36
  3.3.3 Use case view......................................39
  3.3.4 Actors............................................39
  3.3.5 Use case description..............................40
  3.3.6 Interaction diagram..............................48
3.4 Software Requirement...................................56
3.5 Hardware Requirement...................................57
3.6 Network Requirement...................................58
3.7 Conclusion...............................................58

CHAPTER IV DESIGN

4.1 Introduction...........................................59
4.2 High-level Design.......................................59
  4.2.1 Raw input/data....................................59
  4.2.2 System Architecture...............................61
    4.2.2.1 Static Organization..........................64
      4.2.2.2.1 High-level Class Diagram...............66
  4.2.3 User Interface Design............................67
    4.2.3.1 Navigation Design............................68
4.2.3.2 Input Design ........................................... 69
4.2.3.3 Output Design ......................................... 81
4.2.4 Database Design ........................................... 83
  4.2.4.1 Logical Database Design .......................... 83
4.2.5 Deployment View ......................................... 84
4.3 Low-level Design ........................................... 84
  4.3.1 Detailed Design ........................................ 84
  4.3.2 Physical Database Design ............................ 88
4.4 Conclusion .................................................. 90

CHAPTER V IMPLEMENTATION
5.1 Introduction ............................................... 91
5.2 Software Development Environment Setup ................... 91
5.3 Software Configuration Management ......................... 93
  5.3.1 Configuration Environment Setup .................... 93
  5.3.2 Version Control Procedure .......................... 94
    5.3.2.1 Procedure ........................................ 94
    5.3.2.2 Numbering of Product Version .................. 95
5.4 Implementation Status .................................... 95
5.5 Conclusion ................................................ 97

CHAPTER VI TESTING
6.1 Introduction ............................................... 98
6.2 Test Plan .................................................. 98
  6.2.1 Test Organization ..................................... 99
  6.2.2 Test Environment ..................................... 100
    6.2.2.1 Environment set-up ................................ 100
    6.2.2.2 Application Software ............................. 100
    6.2.2.3 System Software .................................. 101
    6.2.2.4 System Hardware .................................. 101
  6.2.3 Test Schedule ......................................... 101
6.3 Test Strategy .............................................. 103
6.3.1 Classes of tests ........................................103
6.4 Test Design..................................................105
  6.4.1 Test Description.......................................105
  6.4.2 Test Data...............................................109
6.5 Test Result and Analysis.................................113
6.6 Conclusion ................................................114

CHAPTER VII

PROJECT CONCLUSION
7.1 Observation on Weaknesses and Strengths..............115
7.2 Proposition for Improvement..............................116
7.3 Conclusion ................................................116

REFERENCES....................................................xiv
APPENDIX.......................................................xv
# List of Tables

<table>
<thead>
<tr>
<th>Table</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1</td>
<td>The result from findings</td>
<td>17</td>
</tr>
<tr>
<td>4.1</td>
<td>Raw Data for Alumni System Database</td>
<td>60</td>
</tr>
<tr>
<td>4.2</td>
<td>Alumni System Output Design</td>
<td>81</td>
</tr>
<tr>
<td>4.3</td>
<td>Data Dictionary for KUTKM Alumni System</td>
<td>88</td>
</tr>
<tr>
<td>5.1</td>
<td>Datasets Used For Version Library</td>
<td>93</td>
</tr>
<tr>
<td>5.2</td>
<td>KUTKM Alumni implementation status</td>
<td>96</td>
</tr>
<tr>
<td>6.1</td>
<td>Personnel detail</td>
<td>99</td>
</tr>
<tr>
<td>6.2</td>
<td>KUTKM Alumni System</td>
<td>100</td>
</tr>
<tr>
<td>6.3</td>
<td>KUTKM Alumni Test Schedule</td>
<td>101</td>
</tr>
<tr>
<td>6.4</td>
<td>Login module testing</td>
<td>105</td>
</tr>
<tr>
<td>6.5</td>
<td>Registration Membership module testing</td>
<td>106</td>
</tr>
<tr>
<td>6.6</td>
<td>Messaging module testing</td>
<td>106</td>
</tr>
<tr>
<td>6.7</td>
<td>Chat Room module testing</td>
<td>107</td>
</tr>
<tr>
<td>6.8</td>
<td>Announcement module testing</td>
<td>107</td>
</tr>
<tr>
<td>6.9</td>
<td>Forum module testing</td>
<td>108</td>
</tr>
<tr>
<td>6.10</td>
<td>Manage SMS module testing</td>
<td>108</td>
</tr>
<tr>
<td>6.11</td>
<td>Manage System Application module testing</td>
<td>109</td>
</tr>
<tr>
<td>6.12</td>
<td>Terminate Account module testing</td>
<td>109</td>
</tr>
<tr>
<td>6.13</td>
<td>Test Data</td>
<td>110</td>
</tr>
<tr>
<td>6.14</td>
<td>Test Result</td>
<td>113</td>
</tr>
</tbody>
</table>
# List of Figure

<table>
<thead>
<tr>
<th>Diagram</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1</td>
<td>:Project Schedule and Milestone</td>
<td>27</td>
</tr>
<tr>
<td>3.1</td>
<td>Activity diagram for current system</td>
<td>31</td>
</tr>
<tr>
<td>3.2</td>
<td>Overview of KUTKM Alumni</td>
<td>35</td>
</tr>
<tr>
<td>3.3</td>
<td>KUTKM Alumni activity diagram</td>
<td>36</td>
</tr>
<tr>
<td>3.4</td>
<td>Forum activity diagram</td>
<td>37</td>
</tr>
<tr>
<td>3.5</td>
<td>Announcement activity diagram</td>
<td>37</td>
</tr>
<tr>
<td>3.6</td>
<td>Chat room activity diagram</td>
<td>37</td>
</tr>
<tr>
<td>3.7</td>
<td>Messaging activity diagram</td>
<td>38</td>
</tr>
<tr>
<td>3.8</td>
<td>sms service activity diagram</td>
<td>38</td>
</tr>
<tr>
<td>3.9</td>
<td>Global view of use case model for KUTKM Alumni System</td>
<td>39</td>
</tr>
<tr>
<td>3.10</td>
<td>Interaction diagram for Member Registration</td>
<td>48</td>
</tr>
<tr>
<td>3.11</td>
<td>Interaction diagram for Member Login</td>
<td>49</td>
</tr>
<tr>
<td>3.12</td>
<td>Interaction diagram for Terminate Account</td>
<td>49</td>
</tr>
<tr>
<td>3.13</td>
<td>Interaction diagram for Messaging (send))</td>
<td>50</td>
</tr>
<tr>
<td>3.14</td>
<td>Interaction diagram for Messaging (delete)</td>
<td>51</td>
</tr>
<tr>
<td>3.15</td>
<td>Interaction diagram for Chat Room Service</td>
<td>52</td>
</tr>
<tr>
<td>3.16</td>
<td>Interaction diagram for Announcement (Send)</td>
<td>53</td>
</tr>
<tr>
<td>3.17</td>
<td>Interaction diagram for Announcement (Delete)</td>
<td>54</td>
</tr>
<tr>
<td>3.18</td>
<td>Interaction diagram for sms service</td>
<td>55</td>
</tr>
<tr>
<td>3.19</td>
<td>Interaction diagram for Manage System Application</td>
<td>56</td>
</tr>
<tr>
<td>4.1</td>
<td>CSCI KUTKM Alumni System Overview</td>
<td>62</td>
</tr>
</tbody>
</table>
4.2 KUTKM Alumni System Layering 63
4.3 The CICS KUTKM Alumni System packages 64
4.4 Alumni System High Level Class Diagram 67
4.5 First User Interface and Login Interface 69
4.6 Introduction of KUTKM Alumni function page 70
4.7 Function of KUTKM Alumni function page 71
4.8 Gallery of KUTKM Alumni function page 72
4.9 Pictures in the gallery link page 73
4.10 Kerjaya of KUTKM Alumni function page 74
4.11 Pautan of KUTKM Alumni function page 75
4.12 Member’s Registration Interface 76
4.13 Admin Main Page and Function Interface 77
4.14 Chat Room Interface 78
4.15 SMS Service Interface 79
4.16 Forum Interface 80
4.17 Message Interface 81
4.18 KUTKM Alumni System ERD 83
4.19 KUTKM Alumni System Deployment View 84
5.1 The Development Environment for KUTKM Alumni 92
5.2 Version Control Procedure 95
6.1 Testing Phases Involved for KUTKM Alumni system 103
# LIST OF ABBREVIATIONS

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSM</td>
<td>Projek Sarjana Muda</td>
</tr>
<tr>
<td>SMS</td>
<td>Short Message Services</td>
</tr>
<tr>
<td>OOAD</td>
<td>Object Oriented Analysis Design</td>
</tr>
<tr>
<td>UML</td>
<td>Unified Model Language</td>
</tr>
<tr>
<td>OO</td>
<td>Object Oriented</td>
</tr>
<tr>
<td>OS</td>
<td>Operating System</td>
</tr>
<tr>
<td>LAN</td>
<td>Local Area Network</td>
</tr>
<tr>
<td>ID</td>
<td>Identity</td>
</tr>
<tr>
<td>ERD</td>
<td>Entity Relationship Diagram</td>
</tr>
</tbody>
</table>
CHAPTER I

INTRODUCTION

1.1 Introduction

This chapter contains the description of the project background, problem statement, objectives and scopes, project significance, expected output and the conclusion of the project.

1.2 Project Background

Kolej Universiti Teknikal Kebangsaan Malaysia Alumni (KUTKM Alumni) is a business opportunity as yet another alumni website that develop special for ex-KUTKM’s students use as one of the outcomes of the Internet and Telecommunication Technologies Revolution and the way to still connected with each other.

Since the number of KUTKM’s students become larger each year, probability for students to see or meet their old friends are small. Especially if their friends are from other country. Besides, lack of time also can bring the problem for students to make a discussion or conversation with friends about their life and works.

As the consequences from all this problems therefore, this KUTKM Alumni is the answer to reduce those problems. This system will work out as the “man in the
middle” for the members to stay reconnects with their friends. This KUTKM Alumni is maybe the same as other alumni website, but new features and other function that suitable for the students environment will be added and this will make the system is little different from other alumni website in this country.

Basically, this system will work out as to make the ex-students of KUTKM easy to keep in touch with friends either old, new or current friends. Besides that, this system allow the members to share files, notes or tutorials among members. Members also can find and reconnect with friends from other faculties like FTMK, FKM or FKE.

Other features that the system has are chat room and messaging services. With this features members can have their own chat, conference or discussion with their friends by using this system.

KUTKM Alumni is not an ordinary alumni website. Although this system still using the basic idea and function of other alumni website, the new features and idea that will be use to develop this system will make it like a new brand. This system will combined some features that have in the “friendster.com” website with some new features like chat room and card service.

Some of the features of this system will require creativity and technical competence. To develop this system is not an easy job. More research and reference are needed to ensure this system will meet their requirement. Therefore, with this new system members can still reconnect with each other no matter what, how, where they are. Besides, this system can be as another way for ex-students to get information besides KUTKM website. As we know, the more exiting the features are, the more the website will be visited.
1.3 Problem statement

Developing a new system usually has a connection with upgrading a current system to become more interesting or to make the system more exciting and reliable to use suitable with the growth of the technologies day by day. However, to develop a new system needs a reason why the system had to be performed? What are the problems that make the system needs to be developed? All this questions needs to be answer before the new system can be developed.

The main purpose of the KUTKM Alumni exists are to make the ex-students of KUTKM easy to keep in touch with each other although they have graduate. Besides, this system allows the members to share files or other documents among members and also other features that exists in this system.

From the analysis, the number of students that registered in this campus become larger each year. Since the students getting more and more, probability for each student to know and still connected are less after their graduate.

KUTKM Alumni is the outcome of all those problems. This new system will act as the “man in the middle” for the members. This system will ensure that the students will stay reconnect with their friends. They can find their friends using this system if only their friends are registered with this system too. KUTKM Alumni will make the students easy to keep in touch with each other. Besides that, this system allows the members to share files, notes or any documents among members.

This system also contains chat room and messaging service. For those who do not have much time to see each other they can use this service to make a discussion or chatting with friends. Members also can send a message among members to ensure they are still connected each other.
Basically, this system is develop to make the ex-students feel enjoy and fun to use it besides the information that the system have and feel reconnect with each others even they have graduate from KUTKM.

1.4 Objectives

The objectives of this system are stated as below:

a. **To make the ex-KUTKM student easy to stay in touch.**
   This system will be present as ‘the man in the middle’ for the ex-KUTKM students from loosing their friends. By using this system, user can stay in touch with their friends either the old, new or current friends.

b. **To find and reconnect with friends from other faculties**
   Since the numbers of KUTKM students are huge, there are not easy for each student can meet or find each other everyday. So, this system can be used to find and reconnect with friends from other faculties by the features/ function that it has.

c. **To develop an interactive and systematic system**
   Since this system will be use more by teens, so the features in this system will be more interactive and user- friendly. User also can use this system to discuss in the chat room among members.
1.5 Scope of Project

KUTKM Alumni scope is focusing more on community service for KUTKM community. This KUTKM Alumni will be play as ‘the man in the middle’ role for the ex-KUTKM students to make sure that they will still connected with each other. Basically, this system will be used by the ex-students of KUTKM. Each user needs to setup an account before they can use this system and this system will be controlled by the administrator. The features/modules of the system are as stated below:

Login

This module provides the system with security features which only allowed valid user to login to the system. User is required to enter a unique user ID and password.

Registration Membership

This module manages the new member registration process before they can join the Alumni System. This will be done via an online from with the proper scripting. All the information/data about members will be stored in related database for references.

Terminate Account

This module provides the Administrator with an account termination service. They will terminate the user account when the user is no longer wanted to be the Alumni members or the account is not active in a long period of time.

Manage System Application

This module allowed the Administrator to manage all application that the system have. They can update, delete and monitor the data or information in the system. All the
information that the Administrator has modified or created will be store into the specific database for references.

**Manage SMS**

This module provides the SMS service. Alumni members will get new information or news via this application. The Administrator will send the news to the member's hand phone from their pc using this sms service.

**Messaging**

This module allowed the user to send message among members through the system. User is required to type a message and the receiver's identification (user's id or name).

**Chat Room**

This module manages the chat room for user to use. User can chat with their friends using this service. Systems will display list of members that contain in the chat room every time user use the system.

**Announcement**

This module manages the announcement or any bulletin that user (Administrator) want to display for members information. All the information will be stored in the database.

**Forum**

This module provides the user with discussion or forum service. They can use this service to post any topic or story and discuss it among members. This entire forum will be store in the database for a few moments.
This system will use Windows as the platform and Apache as the server. Apache is a powerful Web server that can provide a highly reliable, manageable, and scalable Web application infrastructure for all versions of Windows. It will help organizations increase Web site and application availability while lowering system administration costs.

1.6 Project significance

KUTKM Alumni is not an ordinary alumni website as we can see at the internet nowadays. This system is develop to make the user enjoy and fun to use it. This system is completely full with new features that other alumni website does not have. Besides to make the user stay reconnects and easy to keep in touch with members, this system allows the user to send message and chatting among members.

This system can give benefits for all ex-KUTKM students. Developing this new system will be as a hope for those students to get information. Formal website makes those students easily get boring to use it. Furthermore, the more exciting and fun features are, the more the website will be visited.

1.7 Expected Output

Since the process of developing the system still in the first phase and the real system did not develop yet, the expected output from the system are still in the progress. But the idea about the basic features and functions that the system have and the kind of data that the system needs are stated as below:
1. **Member Registration** – new members are required to complete a registration process to join the system. This will be done via an online form with the proper scripting.

2. **Member login** – Members are required to login the system to access all features.

3. **Member messaging** – The system acts as the “man in the middle” to send a message from one member to another. This helps ensure privacy of members.

4. **Terminate Account** – Administrator will manage the user’s account and will terminate the account that is not active in a period of time.

5. **Chat room** – Members can use this feature to chat or do a discussion or conference among members.

6. **Announcement** – Administrator will post any announcement or news using this service for members information.

7. **Forum** – Members can post any forum using this service.

8. **Manage sms** – This service will be used by admin to send a message to all member about new news or information about KUTKM Alumni.

9. **Manage System Application** – Admin can update, delete and monitor the data or information in the system. All the information that the Administrator has modified or created will be stored into the specific database for references.
1.8 Conclusion

KUTKM Alumni is a new system that will be develop special for ex-KUTKM students. The main objective for this system exists is to make the ex-students of KUTKM easy to keep in touch even they have graduated. This system will act as “the man in the middle” for the members to stay reconnects. This system also allows students to share files or documents among members. Since the students do not have much time to do a discussion, they can use chat room to discuss with friends. Other features like messaging and forum also give a lot of benefits to the user. The next activities that to be developed are literature review and project methodology. Those activities will be described in the next chapter, Chapter 2.
CHAPTER II

LITERATURE REVIEW AND PROJECT METHODOLOGY

2.1 Introduction

This chapter contains the description of the literature review and project methodology that will be used in the development process. The topics that will be discussed in this chapter are fact and finding based on the research, project methodology, project requirement, project schedule and milestone and the conclusion of this chapter.

2.2 Facts and finding- Review of some websites

The proposed project is related to creation of a website for the use of both students and lecturers to share their information. For this, a lot of effort has been put on exploring different similar websites like;

a. friendster.com

- An online community website that connects people through networks of friends for dating or making new friends. Main purpose of this website are to stay in touch with friends, to find and reconnect with old friends, to see how your friends are connected, to be reminded about friend’s birthday, to meet