DESIGN AND DEVELOPMENT OF ONLINE ADMISSION SYSTEM FOR ALQUDS OPEN UNIVERSITY IN PALESTINE

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UNIVERSITY UTARA MALAYSIA
2012
DESIGN AND DEVELOPMENT OF ONLINE ADMISION SYSTEM FOR ALQUDS OPEN UNIVERSITY IN PALESTINE

A project submitted to the Graduate School in partial fulfillment of the requirements for the degree Master of Science (Information Technology) Universiti Utara Malaysia

By
Samer A.K Malalha

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ABSTRACT

Student admissions are playing very important role in major activities of the any university as the basic requirement of the university is students and without students university cannot survive. An inefficient admission application system may reduce the number of admitted student in the esteemed university because if the admission system is slow and having many delays in the process. When considering Palestine students this is unfortunate, but when considering Palestinian international students it can mean the difference between success and failure because of the large sums of money each brings to the university’s economy. This project is to design and develop the under-graduate Palestinian international and local admission process at the University of Alquds Open University to develop an easy to use system that will significantly quicken and simplify this process. The interviews were conducted for the data collection, after that the design was made in UML for meeting the requirement of admission system. This admission system was developed by using JSP and MySQL. The system usefulness, quality of information and quality of interface were evaluated by distributing questionnaire to users and analysis on the data collected from questionnaire was analyzed by using SPSS software.
ACKNOWLEDGEMENT

In the name of ALLAH, the Most Gracious and Most Merciful, all praises to ALLAH for the strengths and his blessing to me for the completion of the project. I am very thankful to almighty ALLAH who showers his blessing always on me.

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2012
# TABLE OF CONTENT

PERMISSION TO USE........................................................................................................III
ABSTRACT............................................................................................................................ IV
ACKNOWLEDGEMENT ........................................................................................................ V
TABLE OF CONTENT ......................................................................................................... VI
LIST OF ABBREVIATIONS ................................................................................................... X
LIST OF TABLES ................................................................................................................ XI
LIST OF FIGURES ............................................................................................................... XII

1. CHAPTER 1 ...................................................................................................................... 1
   INTRODUCTION ............................................................................................................... 1
      1.1 BACKGROUND .......................................................................................................... 1
      1.2 PROBLEM STATEMENT ............................................................................................ 2
      1.3 RESEARCH QUESTIONS ........................................................................................... 4
      1.4 RESEARCH OBJECTIVES ......................................................................................... 4
      1.5 SCOPE OF THE STUDY ............................................................................................. 5
      1.6 SIGNIFICANCE OF THE STUDY ............................................................................... 5
      1.7 PROJECT ORGANIZATION ....................................................................................... 6

2. CHAPTER 2 ...................................................................................................................... 7
   LITERATURE REVIEW ..................................................................................................... 7
      2.1 AL-QUDS OPEN UNIVERSITY (QOU) .................................................................... 7
          2.1.1 History of QOU ................................................................................................. 7
          2.1.2 Instructional Technology Used at QOU ............................................................... 8
      2.2 THE IMPORTANCE OF THE ADMISSION SYSTEM ............................................ 8
          2.2.1 The Problems and Issues in Admissions ............................................................ 9
          2.2.2 Suggestions for Fair and Transparent Admission System ................................ 10
      2.3 THE FUNCTIONS OF DOCUMENTS IN ORGANIZATIONS ................................ 11
          2.3.1 Concepts and Definition ..................................................................................... 11
          2.3.2 Types Of Documents ......................................................................................... 12
          2.3.3 Functions of Documents .................................................................................... 13
2.3.4 Document Processing ........................................................................................................14
2.3.5 Electronic Documentation (Paperless Organizations) .................................................14
2.3.6 Advantages or Endeavors of Paperless Office Operation .............................................16
2.4 WEB AND INTERNET ........................................................................................................17
2.4.1 Web-Based System .........................................................................................................18
2.4.2 Web Based Communications ........................................................................................19
2.4.3 Advantages of Web Based Applications ........................................................................19
2.4.4 Web Application Architecture ......................................................................................20
2.5 JAVA PROGRAMMING LANGUAGE ...............................................................................21
2.5.1 Why Java Is Important To Internet ..............................................................................22
2.5.2 Java Features ................................................................................................................22
2.5.3 Java Server Pages ..........................................................................................................23
2.5.4 What Is JavaServer Pages? ..........................................................................................23
2.5.5 Why to Use JSP? ...........................................................................................................25
2.5.6 The JSP Advantages .....................................................................................................26
2.5.7 JSP Processing ..............................................................................................................27
2.5.8 Java Database Connectivity (Jdbc) ................................................................................29
3. CHAPTER 3 .........................................................................................................................34
3.1 INTRODUCTION ................................................................................................................34
3.2 AWARENESS OF PROBLEM ..........................................................................................35
3.3 REQUIREMENT ANALYSIS ............................................................................................35
  3.3.1 Data Collection ............................................................................................................36
  3.3.2 Suggestion ....................................................................................................................36
3.4 DESIGN REQUIREMENT MODEL ..................................................................................37
3.5 DEVELOPMENT ...............................................................................................................37
3.6 EVALUATION & TESTING .............................................................................................38
3.7 DOCUMENTATION ........................................................................................................39
4. CHAPTER 4 ..........................................................................................................................40
4.1 REQUIREMENTS ANALYSIS .........................................................................................40
4.2 USE CASE DIAGRAM ................................................................. 42

4.3 USE CASE SPECIFICATION .......................................................... 44

4.3.1 Use Case Specification Sign up [OAS_01] ........................................ 45
4.3.2 Use Case Specification Login [OAS_02] ........................................ 46
4.3.3 Use Case Specification Forget Secret Password [OAS_03] ..................... 48
4.3.4 Use Case Specification Create Application [OAS_04] .......................... 49
4.3.5 Use Case Specification Pay The Payments [OAS_05] ................................ 50
4.3.6 Use Case Specification View Application Status [OAS_06] ................... 52
4.3.7 Use Case Specification Update Application Status [Oas_07] .................... 53
4.3.8 Use Case Specification View Profile [Oas_08] .................................... 54
4.3.9 Use Case Specification Update Profile [Oas_09] ................................... 56
4.3.10 Use Case Specification Manage User Account [Oas_010] .................... 57

4.4 SEQUENCE DIAGRAM ..................................................................... 59

4.4.1 Sign Up [OAS_UCD001] ............................................................... 59
4.4.2 Log_In [OAS_UCD002] ................................................................. 60
4.4.3 Forget Password [OAS_UCD003] ................................................... 61
4.4.4 Create Application [OAS_UCD004] ................................................. 62
4.4.5 Payments of Application [OAS_UCD005] ........................................... 63
4.4.6 View Application Status [OAS_UCD006] .......................................... 64
4.4.7 Update Application Status [OAS_UCD007] ....................................... 65
4.4.8 View User Profile [OAS_UCD008] .................................................. 66
4.4.9 Update User Profile [OAS_UCD009] ............................................... 67
4.4.10 Add User Account [OAS_UCD010] ............................................... 68
4.4.11 Update User Account [OAS_UCD011] .......................................... 69
4.4.12 Delete User Account [OAS_UCD012] ............................................. 70

4.5 Class Diagram .................................................................................. 71

4.6 DEVELOPED PROTOTYPE INTERFACE .............................................. 72

4.6.1 Main Page Interface ...................................................................... 72
4.6.2 Registration Page Interface ............................................................ 72
4.6.3 Login Page Interface ..................................................................... 73
4.6.4 Apply application education details Page Interface ............................ 74
4.6.5 Apply application program selection and file upload Page Interface ........................................74
4.6.6 Payment Selection Page Interface .........................................................................................75
4.6.7 Online Payment Page Interface ..........................................................................................76
4.6.8 Application Status Page Interface .........................................................................................77
4.6.9 Admin Login Page Interface ................................................................................................78
4.6.10 Admin main Page Interface ................................................................................................79
4.6.11 Manage Applications Page Interface ..................................................................................80

5.  CHAPTER FIVE ........................................................................................................................81
RESULTS AND FINDINGS ...........................................................................................................81
5.1  DESCRIPTIVE STATISTICS OF USER INTERFACE SATISFACTION .................................81
5.2  THE COMPUTER SYSTEM USABILITY QUESTIONNAIRE (CSUQ) ........................................82
5.3  DESCRIPTIVE STATISTICS OF DEMOGRAPHIC INFORMATION ........................................83
5.4  RESULT OF SYSTEM SATISFACTION EVALUATION ..........................................................86
5.5  RELIABILITY TEST RESULTS .............................................................................................89

6.  CHAPTER 6 .............................................................................................................................92
DISCUSSION AND CONCLUSION ...............................................................................................92
6.1  INTRODUCTION ....................................................................................................................92
6.2  LIMITATIONS .......................................................................................................................93
6.3  RECOMMENDATION ............................................................................................................94
6.4  STUDY CONTRIBUTION ......................................................................................................94
6.6  CONCLUSION .......................................................................................................................95
REFERENCES .............................................................................................................................96
APPENDIX – A .............................................................................................................................101
APPENDIX – B .............................................................................................................................104
# LIST OF ABBREVIATIONS

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Full Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>QOU</td>
<td>Alquds Open University</td>
</tr>
<tr>
<td>UUM</td>
<td>Universiti Utara Malaysia</td>
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<tr>
<td>OCR</td>
<td>Optical Character Recognition</td>
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<tr>
<td>WWW</td>
<td>World Wide Web</td>
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<td>JSP</td>
<td>Java Server Pages</td>
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<tr>
<td>JSTL</td>
<td>JSP special standard tag library</td>
</tr>
<tr>
<td>CGI</td>
<td>Common Gateway Interface</td>
</tr>
<tr>
<td>JDBC</td>
<td>Java Database Connectivity</td>
</tr>
<tr>
<td>APIs</td>
<td>Application Programming Interfaces</td>
</tr>
<tr>
<td>JDK</td>
<td>Java Developer Kit</td>
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<tr>
<td>SQL</td>
<td>Structured Query Language</td>
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<tr>
<td>ODBC</td>
<td>Open Database Connectivity</td>
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<tr>
<td>UML</td>
<td>Unified Modeling Language</td>
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<tr>
<td>OAS</td>
<td>Online Admission System</td>
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<tr>
<td>CSUQ</td>
<td>Computer System Usability Questionnaire</td>
</tr>
<tr>
<td>SPSS</td>
<td>Statistical Package for the Social Sciences</td>
</tr>
<tr>
<td>IBM</td>
<td>International Business Machines</td>
</tr>
<tr>
<td>CAPTCHA</td>
<td>Completely Automated Public Turing test to tell Computers and Humans Apart</td>
</tr>
</tbody>
</table>
LIST OF TABLES

TABLE 4.1: FUNCTIONAL REQUIREMENTS .................................................................41
TABLE 4.2: USE CASE LOOK-UP TABLE ...............................................................42
TABLE 5.1: CSUQ FACTORS AND ITS ITEMS ..................................................83
TABLE 5.2: GENDER INFORMATION .................................................................83
TABLE 5.3: AGE INFORMATION .........................................................................84
TABLE 5.4: EXPERIENCE OF COMPUTER INFORMATION ..................................85
TABLE 5.5: SYSTEM USEFULNESS ....................................................................87
TABLE 5.6: QUALITY OF INFORMATION ............................................................87
TABLE 5.7: INTERFACE QUALITY .......................................................................88
TABLE 5.8: OVERALL ...........................................................................................89
TABLE 5.9: THE TEST RELIABILITY (CRONBACH'S ALPHA) .............................90
## LIST OF FIGURES

<table>
<thead>
<tr>
<th>Figure</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Figure 2.1</td>
<td>WEB APPLICATION ARCHITECTURE</td>
<td>21</td>
</tr>
<tr>
<td>Figure 2.2</td>
<td>GENERATING DYNAMIC CONTENT WITH JSP ELEMENTS</td>
<td>25</td>
</tr>
<tr>
<td>Figure 2.3</td>
<td>JSP PAGE TRANSLATION AND PROCESSING PHASES</td>
<td>28</td>
</tr>
<tr>
<td>Figure 2.4</td>
<td>THE ARCHITECTURE OF JDBC</td>
<td>32</td>
</tr>
<tr>
<td>Figure 3.1</td>
<td>OBJECT ORIENTED METHODOLOGY</td>
<td>35</td>
</tr>
<tr>
<td>Figure 4.1</td>
<td>USE CASE DIAGRAM</td>
<td>43</td>
</tr>
<tr>
<td>Figure 4.2</td>
<td>USE CASE SPECIFICATION SIGN UP</td>
<td>45</td>
</tr>
<tr>
<td>Figure 4.3</td>
<td>USE CASE SPECIFICATION LOGIN</td>
<td>46</td>
</tr>
<tr>
<td>Figure 4.4</td>
<td>USE CASE SPECIFICATION FORGET PASSWORD</td>
<td>48</td>
</tr>
<tr>
<td>Figure 4.5</td>
<td>USE CASE SPECIFICATION CREATE APPLICATION</td>
<td>49</td>
</tr>
<tr>
<td>Figure 4.6</td>
<td>USE CASE SPECIFICATION PAYMENT</td>
<td>50</td>
</tr>
<tr>
<td>Figure 4.7</td>
<td>USE CASE SPECIFICATION APPLICATION STATUS</td>
<td>52</td>
</tr>
<tr>
<td>Figure 4.8</td>
<td>USE CASE SPECIFICATION UPDATE APPLICATION STATUS</td>
<td>53</td>
</tr>
<tr>
<td>Figure 4.9</td>
<td>USE CASE SPECIFICATION VIEW PROFILE</td>
<td>54</td>
</tr>
<tr>
<td>Figure 4.10</td>
<td>USE CASE SPECIFICATION UPDATE PROFILE</td>
<td>56</td>
</tr>
<tr>
<td>Figure 4.11</td>
<td>USE CASE SPECIFICATION MANAGE USER ACCOUNT</td>
<td>57</td>
</tr>
<tr>
<td>Figure 4.12</td>
<td>SEQUENCE DIAGRAM FOR SIGN UP</td>
<td>59</td>
</tr>
<tr>
<td>Figure 4.13</td>
<td>SEQUENCE DIAGRAM FOR LOGIN</td>
<td>60</td>
</tr>
<tr>
<td>Figure 4.14</td>
<td>SEQUENCE DIAGRAM FOR FORGET PASSWORD</td>
<td>61</td>
</tr>
<tr>
<td>Figure 4.15</td>
<td>SEQUENCE DIAGRAM FOR CREATE APPLICATION</td>
<td>62</td>
</tr>
<tr>
<td>Figure 4.16</td>
<td>SEQUENCE DIAGRAM FOR DOING THE PAYMENTS</td>
<td>63</td>
</tr>
<tr>
<td>Figure 4.17</td>
<td>SEQUENCE DIAGRAM FOR VIEW APPLICATION STATUS</td>
<td>64</td>
</tr>
<tr>
<td>Figure 4.18</td>
<td>SEQUENCE DIAGRAM FOR VIEW APPLICATION STATUS</td>
<td>65</td>
</tr>
<tr>
<td>Figure 4.19</td>
<td>SEQUENCE DIAGRAM FOR VIEW USER PROFILE</td>
<td>66</td>
</tr>
<tr>
<td>Figure 4.20</td>
<td>SEQUENCE DIAGRAM FOR UPDATE USER PROFILE</td>
<td>67</td>
</tr>
<tr>
<td>Figure 4.21</td>
<td>SEQUENCE DIAGRAM FOR ADD USER ACCOUNT</td>
<td>68</td>
</tr>
<tr>
<td>Figure 4.22</td>
<td>SEQUENCE DIAGRAM FOR UPDATE USER ACCOUNT</td>
<td>69</td>
</tr>
<tr>
<td>Figure 4.23</td>
<td>SEQUENCE DIAGRAM FOR DELETE USER ACCOUNT</td>
<td>70</td>
</tr>
<tr>
<td>Figure 4.24</td>
<td>CLASS DIAGRAM</td>
<td>71</td>
</tr>
<tr>
<td>Figure 4.25</td>
<td>SCREENSHOT OF MAIN PAGE</td>
<td>72</td>
</tr>
<tr>
<td>Figure 4.26</td>
<td>SCREENSHOT OF USER REGISTRATION PAGE</td>
<td>73</td>
</tr>
<tr>
<td>Figure 4.27</td>
<td>SCREENSHOT OF LOGIN PAGE</td>
<td>73</td>
</tr>
<tr>
<td>Figure 4.28</td>
<td>SCREENSHOT OF APPLY APPLICATION EDUCATION DETAILS PAGE</td>
<td>74</td>
</tr>
<tr>
<td>Figure 4.29</td>
<td>SCREENSHOT OF APPLY APPLICATION PROGRAM AND FILE UPLOAD PAGE</td>
<td>75</td>
</tr>
<tr>
<td>Figure 4.30</td>
<td>SCREENSHOT OF PAYMENT SELECTION PAGE</td>
<td>76</td>
</tr>
<tr>
<td>Figure 4.31</td>
<td>SCREENSHOT OF ONLINE PAYMENT PAGE</td>
<td>77</td>
</tr>
<tr>
<td>Figure 4.32</td>
<td>SCREENSHOT OF APPLICATION STATUS PAGE</td>
<td>78</td>
</tr>
<tr>
<td>Figure 4.33</td>
<td>SCREENSHOT OF ADMIN LOGIN PAGE</td>
<td>78</td>
</tr>
</tbody>
</table>
CHAPTER 1

INTRODUCTION

1.1 BACKGROUND

Student Admissions is the process in which all applicants to The University of ALQUDS OPEN UNIVERSITY they apply for admission. Like the manual admission applications, where the procedure of admission application starts with the completion of student admission form by the perspective student through the manual university admission department (Admission procedure & policy, 2012), the student may print and download the form and also come directly from the university.

The second stage will be the University Admission Department will review and consider the application for admission and it will check that all the pre-requisite and required information which is mandatory is provided or not, also the documentation required with the form just like degree and certificates required are attached with the form or not. If anything is missing information or the required documents the Admission Department will send to the application from where it was initiated or routed to rearrange and provide the missing documents or mandatory information required (Admission procedure & policy, 2012).

The whole entire application will be forwarded, along with the required documents to the section of the admission department for the evaluation, the teachers and staff committee will have right to decide that which application will be accepted or rejected. The committee will review the
The contents of the thesis is for internal user only
6.5 FUTURE WORK

The online admission system prototype which was developed is effective in a way that it will automate and make online admission instead of manual. Yet some areas in this study not explored in detail due to time constraint. Some of them are given below in future the possibilities of work to be carried out in this system

1. The payment system can be increased by using the original merchant account for credit card holders.
2. The admission offer letter can be sent online when student is admitted to the university.
3. Student can be assigned academic coordinator to advice them after admission to avoid problems of students facing for coming university and choosing subjects.
4. The admission system security in login can be increased by using CAPTCHA.
5. The System can send the confirmation or information by SMS to cell phone of candidates.

6.6 CONCLUSION

This chapter discussed on user acceptance, usability results and system limitations. At the end of the chapter some recommendations are proposed. The overall findings found during the development of this prototype and testing were positive and goal oriented.

As it was already explained in Chapter one that the major objective of this study is to design and develop an Online Admission System for QOU. The prototype which was developed that is very helpful to the admission department as well as the perspective students. This Online Admission System will bring the enhanced interaction between them.
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Alexander, S. et al., (2003), Case Studies in Admissions to and Early Performance in Computer Science Degrees, ITiCSE-WGR ’03 Working group reports from ITiCSE on Innovation and technology in computer science education, ACM New York, NY, USA


