AUTOMATION OF DATABASE NORMALIZATION PROCESS

MOHAMED AHMED MOHAMED ELFAKI

UNIVERSITI UTARA MALAYSIA
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AUTOMATION OF DATABASE NORMALIZATION PROCESS

A thesis submitted to the Faculty of Information Technology in partial fulfillment of the requirements for the degree Master of Science (Information Technology), Universiti Utara Malaysia

By

Mohamed Ahmed Mohamed Elfaki

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ABSTRACT

As the volume of information available on the internet and corporate internet continues to increase, there is growing interest in helping people better organize and manage all this database resources. Database normalization is one of the techniques that can be applied to manage and organize the database. This project looks to enhance this technique by automating this process. The aim of this project is to minimize the times of manual database normalization process, which can improve the performance of the database's developer.
ACKNOWLEDGEMENTS

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TABLE OF CONTENTS

PERMISSION TO USE ................................. i
ABSTRACT ........................................ ii
ACKNOWLEDGEMENTS ................................ iii
TABLE OF CONTENTS ................................ iv
LIST OF FIGURES ................................ vii
LIST OF TABLES ................................ viii
LIST OF ABBREVIATIONS ............................ ix
LIST OF APPENDICES ............................... x

CHAPTER 1: INTRODUCTION ......................... 1
1.0 Introduction .................................. 1
1.1 Problem Statement ............................ 2
1.2 Objectives .................................. 2
1.3 Scope of this Project .......................... 2
1.4 Significance of the Research ................. 2

CHAPTER 2: LITERATURES REVIEW ............. 3
2.0 Introduction .................................. 3
2.1 Related work .................................. 6
   2.1.1 Meta Modeling ........................... 6
   2.1.2 NORMIT ................................ 8
2.2 The Summary of the chapter .................. 10

CHAPTER 3: METHODOLOGY ....................... 11
3.0 Introduction .................................. 11
3.1 System Development Life Cycle (SDLC) .... 12
3.1.1 Project Identification 12
3.1.2 Project Initiation and Planning 12
3.1.3 Analysis 12
3.1.4 Design 13
3.1.5 Implementation 13
3.1.6 Maintenance 13
3.2 Usability Testing Method 14
3.3 The summary of the Chapter 14

CHAPTER 4: DEVELOPMENT OF PROTOTYPE 15
4.0 Introduction 15
4.1 Tools used 15
   4.1.1 PHPTriad 15
   4.1.2 Macromedia Dreamweaver MX 2004 16
   4.1.3 XAMPP Server 16
   4.1.4 MySQL 17
   4.1.5 Internet Explorer /Firefox Browser 17
4.2 Use Case 17
4.3 The flow of Functions 19
   4.3.1 Insert Number of Columns 20
   4.3.2 The Column Number Sufficient 21
   4.3.3 Names Table Columns/ Fields 21
   4.3.4 Add Data 22
   4.3.5 Add Data Sufficient 23
   4.3.6 Extract the Functional Dependency/ Start Normalization Process/ Show Normalized Table 24
4.4 The Summary of the Chapter 25

CHAPTER 5: EVALUATION OF USABILITY TESTING 26
5.0 Introduction 26
5.1 Preparing for the usability test 26
5.2 Usability evaluation checklist 26
5.3 The Summary of the Chapter

CHAPTER 6: FINDING
6.0 Introduction
6.1 Finding
  6.1.1 Output of the prototype
  6.1.2 Usability Testing
6.2 The Summary of the Chapter

CHAPTER 7: CONCLUSION
7.0 Introduction
7.1 Conclusion
7.2 Future Work

REFERENCES
# LIST OF FIGURES

<table>
<thead>
<tr>
<th>Figure No</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1</td>
<td>Automatic normalization process</td>
<td>7</td>
</tr>
<tr>
<td>2.2</td>
<td>NORMIT Screen shot</td>
<td>10</td>
</tr>
<tr>
<td>4.1</td>
<td>Use Case Diagram</td>
<td>17</td>
</tr>
<tr>
<td>4.2</td>
<td>The flowchart of the prototype</td>
<td>19</td>
</tr>
<tr>
<td>4.3</td>
<td>“Define Number of Fields” page</td>
<td>20</td>
</tr>
<tr>
<td>4.4</td>
<td>“Define Fields” page</td>
<td>21</td>
</tr>
<tr>
<td>4.5</td>
<td>“Insert Data” page</td>
<td>22</td>
</tr>
<tr>
<td>4.6</td>
<td>“Adding/ Delete Rows” page</td>
<td>23</td>
</tr>
<tr>
<td>4.7</td>
<td>Final Result</td>
<td>24</td>
</tr>
</tbody>
</table>
# LIST OF TABLES

<table>
<thead>
<tr>
<th>Table No</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1</td>
<td>Fictitious student</td>
<td>4</td>
</tr>
<tr>
<td>2.2</td>
<td>Student</td>
<td>4</td>
</tr>
<tr>
<td>2.3</td>
<td>Registration</td>
<td>5</td>
</tr>
<tr>
<td>2.4</td>
<td>Students Table</td>
<td>5</td>
</tr>
<tr>
<td>2.5</td>
<td>Faculty Table</td>
<td>5</td>
</tr>
<tr>
<td>6.1</td>
<td>One-Sample Test</td>
<td>32</td>
</tr>
<tr>
<td>6.2</td>
<td>Descriptive Statistics</td>
<td>33</td>
</tr>
<tr>
<td>6.3</td>
<td>Correlations</td>
<td>34</td>
</tr>
</tbody>
</table>
## LIST OF ABBREVIATIONS

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>UML</td>
<td>Unified Modeling Language</td>
</tr>
<tr>
<td>XML</td>
<td>Extensible Markup Language</td>
</tr>
<tr>
<td>OCL</td>
<td>Object Constraint Language</td>
</tr>
<tr>
<td>SDLC</td>
<td>Development Life Cycle</td>
</tr>
<tr>
<td>PHP</td>
<td>Personal Home Page</td>
</tr>
<tr>
<td>ASP</td>
<td>Microsoft Active Server Pages</td>
</tr>
<tr>
<td>JSP</td>
<td>Java Server Pages</td>
</tr>
</tbody>
</table>
# LIST OF APPENDICES

<table>
<thead>
<tr>
<th>Appendix</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Insert Number columns</td>
<td>39</td>
</tr>
<tr>
<td>B</td>
<td>Names Table Columns/ Fields</td>
<td>40</td>
</tr>
<tr>
<td>C</td>
<td>Add Data</td>
<td>41</td>
</tr>
<tr>
<td>D</td>
<td>Add Data Sufficient</td>
<td>43</td>
</tr>
<tr>
<td>E</td>
<td>Extract the Functional Dependency/ start normalization process/</td>
<td></td>
</tr>
<tr>
<td></td>
<td>show Normalized Table</td>
<td>56</td>
</tr>
<tr>
<td>F</td>
<td>Manual Snapshot Screen</td>
<td>63</td>
</tr>
</tbody>
</table>
CHAPTER 1

INTRODUCTION

1.0 Introduction

Now a days database management system playing very important role for running any kind of business because it make the process for posting and retrieving information very easy, interim of updating modifying, deletion, and etc. There are three phases for building a good databases system, which are conceptual database, representing of identification of the important entities, relationships, and attributes. Second phase, is logical database design, is concerned about how to translate the conceptual database to logical by designing relations, third physical database design, it is the process of producing a description of how the logical structure is to be physically implemented. This paper focus in the logical database part for the relational model, as well as for validates the relations using normalization concept. Normalization is defined as a process of organizing data to minimize duplication, isolate data so that addition, deletion, and modification of a field can be made. In short normalization is dividing a database into two or more tables and defining relationships between the tables [1]. Although the normalization help for building a good database management system, but it has lack of the manual process which it takes time accomplish it. Therefore, this project tries to come out with a prototype that can enhance the normalization process till third normal form (3NF) stages.
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REFERENCES


