DESIGN OF E-PROCUREMENT ONLINE AUCTION SYSTEM FOR
SMALL MEDIUM ENTERPRISE

A thesis submitted to the Graduate School in partial
fulfillment of the requirements for the degree
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Universiti Utara Malaysia
By
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ABSTRACT (BAHASA MALAYSIA)

Proyek ini bertujuan untuk membangunkan satu sistem 'e-Procurement online auction' untuk perusahaan kecil and sederhana di Malaysia. Projek ini memaparkan satu "online auction" sistem yang bersesuaian dan akan beroperasi dengan lancar and efisien dengan bantuan infrastruktur teknologi informasi terkini. Infrastruktur ini bereirikan kos efekik and kos penyelenggaraannya yang berpatutan. Projek ini bertujuan menggalakkan usahawan perusahaan kecil and sederhana di Malaysia menggunakan sistem "online auction" sebagai suatu cara penyelesaian kepada masalah stok lama atau pun lebihan stok dalam bidang perniagaan.

Kini, "auction" melalui Internet sudah mulai dianggap sebagai suatu bentuk mekanisma pertukaran yang baru. Lantaran ini, pembelajaran ke atas "online auction" terkini dikaji (tempat mahupun luar negeri) untuk mengetahui tahap and cara penggunaannya di pasaran. Seterusnya, satu model "online auction" yang berunsurkan penggunaan dalam bidang perniagaan dibangunkan dengan bantuan aplikasi Unified Modeling Language (UML).
ABSTRACT (ENGLISH)

This project aims to develop an e-Procurement online auction system for small medium enterprise (SMEs) in Malaysia. The project delivers an online auction system that work effectively and efficiently within the current and enable information technology infrastructure and are inexpensive to maintain and cost-effective to enhance. The objective is to encourage SMEs in Malaysia to get rid of outdated or over produced merchandise through online auction.

Auctions on the Internet have become a fascinating new type of exchange mechanism. A preliminary study of a currently operational online auction market (locally and oversea) is reviewed to provide initial insights into how the online auction marketplace is used and developed. Then, an online auctions model caters business-to-business is designed by using Unified Modeling Language (UML) as a modeling tool.
ACKNOWLEDGEMENTS

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# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>PERMISSION TO USE</td>
<td>i</td>
</tr>
<tr>
<td>ABSTRACT (BAHASA MALAYSIA)</td>
<td>ii</td>
</tr>
<tr>
<td>ABSTRACT (ENGLISH)</td>
<td>iii</td>
</tr>
<tr>
<td>ACKNOWLEDGEMENTS</td>
<td>iv</td>
</tr>
<tr>
<td>TABLE OF CONTENTS</td>
<td>v-ix</td>
</tr>
<tr>
<td>LIST OF TABLES</td>
<td>x</td>
</tr>
<tr>
<td>LIST OF FIGURES</td>
<td>xi</td>
</tr>
<tr>
<td>CHAPTER ONE: INTRODUCTION</td>
<td>1</td>
</tr>
<tr>
<td>1.1 Background</td>
<td>1</td>
</tr>
<tr>
<td>1.2 Definition Of Small Medium Enterprise (SME) In Malaysia</td>
<td>3</td>
</tr>
<tr>
<td>1.3 Problem Statement</td>
<td>3</td>
</tr>
<tr>
<td>1.4 Objectives</td>
<td>5</td>
</tr>
<tr>
<td>1.5 The Significance Of This Project</td>
<td>7</td>
</tr>
<tr>
<td>1.6 Scope And Limitation Of This Project</td>
<td>8</td>
</tr>
<tr>
<td>1.7 Hardware And Software Requirements</td>
<td>9</td>
</tr>
<tr>
<td>1.7.1 Hardware Requirements</td>
<td>9</td>
</tr>
<tr>
<td>1.7.2 Software Requirements</td>
<td>10</td>
</tr>
<tr>
<td>1.8 Summary</td>
<td>10</td>
</tr>
<tr>
<td>CHAPTER TWO: REVIEW ON DEVELOPMENT IN E-PROCUREMENT ONLINE AUCTIONS</td>
<td></td>
</tr>
<tr>
<td>2.1 Background - The Long Road To Online Auction</td>
<td>11</td>
</tr>
<tr>
<td>2.2 Dynamic Commerce Business Benefits Overview</td>
<td>14</td>
</tr>
<tr>
<td>2.3 Market Requirements For Dynamic Commerce</td>
<td>16</td>
</tr>
<tr>
<td>2.4 What Is Auctions?</td>
<td>17</td>
</tr>
</tbody>
</table>
2.4.1 Online Auction Process And The Components
2.4.2 Auction Process
2.4.3 Auction Structure: Types Of Online Auctions
2.4.4 Requirements Of Online Auction
2.5 Auction Models
2.5.1 Merchant sites
2.5.2 Listing-Agent sites
2.6 Classifications Of Online Auctions
2.6.1 Consumer-to-Consumer
2.6.2 Business-to-Consumer
2.6.3 Business-to-Business
2.7 Some Issues In Online Transactions
2.7.1 Shilling and Bid Shielding
2.7.2 Fraud
2.8 Comparison Of Overseas Based Online Auction Companies
2.9 Online Auction Companies In Malaysia
2.9.1 GO2020.com Auctions
2.9.2 Comments On Current Online Auction In Malaysia
2.10 Summary

CHAPTER THREE: PROJECT METHODOLOGY
3.1 Methodology
3.2 Initiate Project
3.3 Define System
3.3.1 Business Modeling With UML
    3.3.1.1 The Inception Phase
    3.3.1.2 The Elaboration Phase Activities

vi
3.3.1.3 The Construction Phase

3.4 Design System And Prototyping

3.5 Build System

3.6 Evaluate And Test System

3.7 Summary

CHAPTER FOUR: A DESIGN OF ONLINE AUCTION FOR SMALL MEDIUM ENTERPRISE

4.1 Business Model
  4.1.1 Section (A)
  4.1.2 Section (B)

4.2 System Architecture
  4.2.1 Definition of Actors
  4.2.2 The Use Cases Diagram
  4.2.3 Definition of Use Cases
    4.2.3.1 System Administrator
    4.2.3.2 Buyer
    4.2.3.3 Seller
    4.2.3.4 Adding And Editing Sales Items
    4.2.3.5 Browsing The Listings
    4.2.3.6 Bidding For An Item
    4.2.3.7 Updating The Listings To Show The Bid History
    4.2.3.8 Accepting A Bid

4.3 Design of Online Auction Application for Small Medium Enterprise
  4.3.1 Class Diagram
4.3.2 ASP Class Diagram Definitions

4.4 Sequence Diagram For The Use Cases
   4.4.1 Sequence Diagram For Registered User Login Into System
   4.4.2 Sequence Diagram For New User Registration
   4.4.3 Sequence Diagram For Registered User Edit/Update Registration Details
   4.4.4 Sequence Diagram For Add New Items For Sale
   4.4.5 Sequence Diagram For Edit/Delete Items For Sale
   4.4.6 Sequence Diagram For Buyer Browse And Bid For An Sale Item
   4.4.7 Sequence Diagram for Seller Accepting a Bid
   4.4.8 Sequence Diagram for Notifying the Bidder

4.5 Class Diagram Details
   4.5.1 Data Model
      4.5.1.1 Main Web Interface
      4.5.1.2 Web Interface For Registered User Login Into System
      4.5.1.3 Web Interface For New User Registration
      4.5.1.4 Web Interface For Registered User Edit / Update Registration Details
      4.5.1.5 Web Interface For Buyer Browse And Bid For An Sale Item
      4.5.1.6 Web Interface For Add New Items For Sale
      4.5.1.7 Web Interface For Seller Accepting A Bid

81
4.5.1.8 Web Interface For Notifying The Bidder 84
4.6 Summary 85

CHAPTER FIVE: TESTING AND EVALUATION

5.1 System Functionality 86
5.2 System Feature 91
5.3 Summary 93

CHAPTER SIX: CONCLUSION AND RECOMMENDATION

6.1 Contributions of the Project 94
6.2 Limitations of the Project 95
6.3 Recommendations and Future Development 96
6.4 Summary 99

BIBLIOGRAPHY 100

APPENDICES

Appendix A List of Surveyed Auction Sites 103
Appendix B User Manual For e-Procurement Online Auction Application 103
Appendix C Coding For Web In HTML And ASP 121
# LIST OF TABLES

<table>
<thead>
<tr>
<th>Table</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1</td>
<td>The Evolution Of Online Procurement</td>
<td>12</td>
</tr>
<tr>
<td>2.2</td>
<td>Attributes That Identify When Dynamic Commerce Can Occur</td>
<td>16</td>
</tr>
<tr>
<td>2.3</td>
<td>Types Of Auction Models</td>
<td>21</td>
</tr>
<tr>
<td>2.4</td>
<td>Comparison Chart On Ebay, Onsale, BizBuyer, FairMarket, And Ubid</td>
<td>31</td>
</tr>
<tr>
<td>3.1</td>
<td>Test And Evaluation System Requirements</td>
<td>49</td>
</tr>
<tr>
<td>4.1</td>
<td>Definition of Actors</td>
<td>58</td>
</tr>
<tr>
<td>4.2</td>
<td>ASP Class Diagram Definitions</td>
<td>63</td>
</tr>
<tr>
<td>5.1</td>
<td>System Functionality That Meets The System Requirements</td>
<td>86</td>
</tr>
<tr>
<td>5.2</td>
<td>Evaluation Result From the System Requirements</td>
<td>91</td>
</tr>
<tr>
<td>Figure</td>
<td>Description</td>
<td>Page</td>
</tr>
<tr>
<td>--------</td>
<td>-------------</td>
<td>------</td>
</tr>
<tr>
<td>2.1</td>
<td>The Gap Between Surplus Inventory And Net Recoveries</td>
<td>15</td>
</tr>
<tr>
<td>2.2</td>
<td>Online Auction Process And The Components</td>
<td>18</td>
</tr>
<tr>
<td>2.3</td>
<td>Types of Auction Models</td>
<td>21</td>
</tr>
<tr>
<td>3.1</td>
<td>Project Methodology Phases</td>
<td>40</td>
</tr>
<tr>
<td>3.2</td>
<td>The Development Process</td>
<td>44</td>
</tr>
<tr>
<td>3.3</td>
<td>Use Case Diagram</td>
<td>45</td>
</tr>
<tr>
<td>3.4</td>
<td>Sequence Diagram</td>
<td>46</td>
</tr>
<tr>
<td>3.5</td>
<td>Main Class Diagram</td>
<td>47</td>
</tr>
<tr>
<td>3.6</td>
<td>Class Diagram</td>
<td>47</td>
</tr>
<tr>
<td>4.1</td>
<td>Business Model</td>
<td>54</td>
</tr>
<tr>
<td>4.2</td>
<td>System Architecture Of the Online Auction</td>
<td>57</td>
</tr>
<tr>
<td>4.3</td>
<td>Use Case Diagram For The Design Of Online Auction</td>
<td>59</td>
</tr>
<tr>
<td>4.4</td>
<td>An Overview Of The Main Class Diagram</td>
<td>63</td>
</tr>
<tr>
<td>4.5</td>
<td>Sequence Diagram For Registered User Login Into System</td>
<td>68</td>
</tr>
<tr>
<td>4.6</td>
<td>Sequence Diagram For New User Registration</td>
<td>69</td>
</tr>
<tr>
<td>4.7</td>
<td>Sequence Diagram For Registered User Edit / Update Registration Details</td>
<td>70</td>
</tr>
<tr>
<td>4.8</td>
<td>Sequence Diagram For Add New Items For Sale</td>
<td>71</td>
</tr>
<tr>
<td>4.9</td>
<td>Sequence Diagram For Edit / Delete Items For Sale</td>
<td>72</td>
</tr>
<tr>
<td>4.10</td>
<td>Sequence Diagram For Buyer Browse And Bid For An Sale Item</td>
<td>73</td>
</tr>
<tr>
<td>4.11</td>
<td>Sequence Diagram For Seller Accepting A Bid</td>
<td>74</td>
</tr>
<tr>
<td>Figure</td>
<td>Description</td>
<td>Page</td>
</tr>
<tr>
<td>--------</td>
<td>------------------------------------------------------------------------------</td>
<td>------</td>
</tr>
<tr>
<td>4.12</td>
<td>Sequence Diagram For Notifying The Bidder</td>
<td>75</td>
</tr>
<tr>
<td>4.13</td>
<td>The Data Model</td>
<td>76</td>
</tr>
<tr>
<td>4.14</td>
<td>Class Diagram For The Main Web Interface</td>
<td>77</td>
</tr>
<tr>
<td>4.15</td>
<td>Class Diagram For Registered User Login Into System</td>
<td>78</td>
</tr>
<tr>
<td>4.16</td>
<td>Class Diagram For New User Registration</td>
<td>79</td>
</tr>
<tr>
<td>4.17</td>
<td>Class Diagram For Registered User Edit / Update Registration Details</td>
<td>80</td>
</tr>
<tr>
<td>4.18</td>
<td>Class Diagram For Buyer Browse And Bid For An Sale Item</td>
<td>81</td>
</tr>
<tr>
<td>4.19</td>
<td>Class Diagram For Add New Items For Sale</td>
<td>82</td>
</tr>
<tr>
<td>4.20</td>
<td>Class Diagram For Seller Accepting A Bid</td>
<td>83</td>
</tr>
<tr>
<td>4.21</td>
<td>Class Diagram For Notifying The Bidder</td>
<td>84</td>
</tr>
</tbody>
</table>
Chapter 1

INTRODUCTION

This chapter describes the need to develop an online auctions application for Small and Medium Enterprise / Industries (SME/SMI) in Malaysia. Consequently, hardware and software requirements, scope and limitation, and the significant of this project are discussed.

1.1 Background

The Internet and electronic commerce are bringing about sweeping changes in the way businesses are conducted. One of the most lucrative areas that is sweeping the Internet is online auction. There is a flurry of online activities going on these days and Internet web-based auctions (Electronic tradings) have cornered an enviable spot. Auctions on the Internet started in 1995. (Beam, Carrie, and Arie Segev, 1998)

In the past two years, Internet auctions have gathered a great deal of momentum and it is an activity that measures in hundreds of millions of dollars. Predominant among all the different forms of elec
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