REQUIREMENT MODEL FOR
SCHOOL ONLINE EXAMINATION SYSTEM

A thesis submitted to the Graduate School in partial fulfilment of the requirements for the award of the degree Master of Science (Information and Communication Technology) in the Faculty of Information Technology, Universiti Utara Malaysia

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Jun 2007

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(SOES)

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ABSTRAK

ABSTRACT

The School Online Examination System for multiple-choice questions is an appropriate solution for School to manage the examination. This system offers a dynamic solution where it can save the time to prepare the examination papers, evaluate the examination automatically and paperless. This study was carried out in order to produce a requirement model for Online Examination System for Sekolah Menengah Sultan Abdul Halim. The Unified Modeling Language (UML) has been used in the research to design the requirement model of School Online Examination System. There are three main phases involved in the study, which are, define requirement, analyse requirement and validate requirement. Upon completion, a prototype was developed based on the model. In addition, the prototype of examination system is also used to validate the user’s requirements. This study has concluded by summarising the overall results and achievements. There are some recommendations for future work also presented.
ACKNOWLEDGMENT

In the name of ALLAH, The Most Beneficent, The Merciful

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<tr>
<td>DBMS</td>
<td>Database Management System</td>
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<tr>
<td>ELF</td>
<td>e-Learning Framework</td>
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<td>ERMS</td>
<td>Electronic Records Management System</td>
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<td>eSIS</td>
<td>Student Information System</td>
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<td>Frema</td>
<td>Framework Reference Model for Assessment</td>
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<td>HTML</td>
<td>HyperText Markup Language</td>
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<tr>
<td>ICT</td>
<td>Information and Communication Technology</td>
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<td>ISIS</td>
<td>Integrated Student Information System</td>
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<td>IT</td>
<td>Information Technology</td>
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<td>LAN</td>
<td>Local area network</td>
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<td>MoE</td>
<td>Malaysian Ministry of Education</td>
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<td>MoReq</td>
<td>Model requirement for the management of electronic records</td>
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<td>MSC</td>
<td>Multimedia Super Corridor</td>
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<td>ODBC</td>
<td>Open Database Connectivity</td>
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<td>R&amp;D</td>
<td>Research and Development Cluster</td>
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<td>SIMS</td>
<td>Student Information Management System</td>
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<td>SMSAH</td>
<td>Sekolah Menengah Sultan Abdul Halim</td>
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<td>SOES</td>
<td>School Online Examination System</td>
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<td>UML</td>
<td>Unified Modeling Language</td>
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CHAPTER ONE
INTRODUCTION

1.1 Overview

The Multimedia Super Corridor (MSC) began its operations in 1999 to develop Malaysia into a regional and international technology and telecommunications hub by 2020. The seven (7) flagship applications registered under the Multimedia Super Corridor are Electronic Government (E-Government), Multipurpose Card, Smart School, Telehealth, Research and Development Cluster (R&D Cluster), Technopreneur Development, and Electronic Business (E-Business) (The MSC Malaysia Flagship Application, 2006).

Based on critical and creative teaching and learning, the Ministry of Education (MoE) planned the Smart School concept. Smart School is a learning institution that has been systematically reinvented in terms of teaching and learning and school management processes in order to help students cope with the Information Age. According to Tamrin (2003b), Smart Schools have become one of the seven flagship applications in order to make the younger Malaysian generation more literate. The objectives of the Smart School, which are based on Malaysia's National Philosophy of Education, are as follows:

- to produce a thinking and technology-literate workforce,
- to democratise education,
- to increase participation of stakeholders, and
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References:


