WEB BASED STUDENTS’ ATTENDANCE SYSTEM (WSAS)

ALA ABDAL-GADER NEMRAN AL-DMOUR

UNIVERSITI UTARA MALAYSIA

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WEB BASED STUDENTS’ ATTENDANCE SYSTEM (WSAS)

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By

ALA ABDAL-GADER NEMRAN AL-DMOUR
DEAN OF AWANG HAD SALLEH GRADUATE SCHOOL

UNIVERSITI UTARA MALAYSIA

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ABSTRACT

A web based students’ attendance system is an appropriate solution for teachers and parents to inform the parents about their students’ attendance status in school via SMS and Email services as well as to enhance the communication between teachers and parents. Research Design Methodology was adopted in this project with its five stages, which includes: Awareness of problem, Suggestion (integrated with System Development Methodology), Development (integrated with Object Oriented Development Life Cycle approach), Evaluation, and Conclusion. The prototype was developed to determine, analysis, test, and validate the user's requirements in order to rate the usability test of this system. Furthermore, the prototype was evaluated by using USE questionnaire and the usability results was presented and discussed as well.
ACKNOWLEDGEMENTS

“In The Name of ALLAH the Most Gracious and the Most Merciful”

First and foremost, all praise to AllAH (SWT), the almighty, and the most gracious and most merciful, without those divine guidance and blessing, I would not have been able to even begin, let alone complete, such a complex and confounding undertaking.

My sincere thanks go to my supervisor Mr. Azizi bin Abas for all guidance, support, and ideas that helped me to achieve this project on time. I will always be thankful to you, Terimah Kasih !.

My heartfelt thanks go to my beloved family. I remain indebted to my beloved parents who have always been there for me in life. May Allah reward your efforts!. To my brothers and my sisters, special thanks go to my beloved sister (Um Laith & her sons). Also, I owe my heartfelt thanks to my dearest friend (Hamza & his family).
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<th>Definition</th>
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<tr>
<td>3G</td>
<td>Third Generation</td>
</tr>
<tr>
<td>ANSI</td>
<td>American National Standards Institute</td>
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<tr>
<td>BS</td>
<td>Base Station</td>
</tr>
<tr>
<td>CMS</td>
<td>Content Management System</td>
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<tr>
<td>DBMS</td>
<td>Database Management System</td>
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<tr>
<td>DCL</td>
<td>Data Control Language</td>
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<tr>
<td>DDL</td>
<td>Data Definition Language</td>
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<tr>
<td>DML</td>
<td>Data Manipulation Language</td>
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<tr>
<td>GSM</td>
<td>Global System for Mobile communications</td>
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<tr>
<td>HTML</td>
<td>Hypertext Markup Language</td>
</tr>
<tr>
<td>HTTP</td>
<td>Hypertext Transfer Protocol</td>
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<tr>
<td>ID</td>
<td>Identification</td>
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<tr>
<td>IIS</td>
<td>Internet Information Services</td>
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<tr>
<td>IMAP</td>
<td>Internet Message Access Protocol</td>
</tr>
<tr>
<td>IS</td>
<td>Information Systems</td>
</tr>
<tr>
<td>ISO</td>
<td>International Standards Organization</td>
</tr>
<tr>
<td>JSP</td>
<td>Java Server Page</td>
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<tr>
<td>JVC</td>
<td>Java Virtual Machine</td>
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<tr>
<td>MAC</td>
<td>Media Access Control</td>
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<tr>
<td>MIS</td>
<td>Management Information Systems</td>
</tr>
<tr>
<td>MS</td>
<td>Mobile Station</td>
</tr>
<tr>
<td>MSC</td>
<td>Mobile Switching Center</td>
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<td>MVC</td>
<td>Model – View – Controller</td>
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<td>NFS</td>
<td>Network File System</td>
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<td>POP</td>
<td>Post Office Protocol</td>
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<tr>
<td>Acronym</td>
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<tr>
<td>RIFD</td>
<td>Radio Frequency Identification</td>
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<td>RUP</td>
<td>Rational Unified Process</td>
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<tr>
<td>SMS</td>
<td>Short Message Service</td>
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<td>SMSC</td>
<td>Short Message Service Center</td>
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<tr>
<td>SMTP</td>
<td>Simple Mail Transfer Protocol</td>
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<td>SPSS</td>
<td>Statistical Package for the Social Sciences</td>
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<tr>
<td>SQL</td>
<td>Structured Query Language</td>
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<tr>
<td>UK</td>
<td>United Kingdom</td>
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<tr>
<td>UML</td>
<td>Unified Modeling Language</td>
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<tr>
<td>URLs</td>
<td>Uniform Resource Locators</td>
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<td>USB</td>
<td>Universal Serial Bus</td>
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<td>Web Based Student’s Attendance System</td>
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CHAPTER ONE

INTRODUCTION

This chapter gives an overview about this project. The chapter sheds light on problem statement, research objectives, research questions, scope, and significance of this project.

1.1 OVERVIEW

There is no doubt that the education plays a vital role in development of a nation and most of developed countries have adopted the development of education to keep abreast of progression in different fields. According to Alam (2009), education has contributed through improved participation in economics, culture and social roles in society as well as improved understanding of an individual by means increasing people's awareness of their environments.

In education area, technology plays several roles such as accessing to the resources of educational, sharing the resources of academic, improving the quality of learning, and improving efficient management of education. Hence, the application of technology can be divided into two main areas: the learning process and the management of the learning process (Twinomugisha, 2003). Internet is the most important technology that can be widely used as a tool to communicate between different locations regardless what kind of operating system and machine that are used to access the information. Therefore, most organizations have tended to use the web-based application due to
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