DESIGNING A PROTOTYPE FOR UPNM ACADEMIC AND STUDENT SYSTEM APPLY WITH CONTENT MANAGEMENT CONCEPT

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UNIVERSITI UTARA MALAYSIA

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DESIGNING A PROTOTYPE FOR UPNM ACADEMIC AND STUDENT SYSTEM APPLY WITH CONTENT MANAGEMENT CONCEPT

A thesis submitted to the College of Arts and Sciences in partial fulfillment of the requirements for the degree of Master of Science (Information Technology) Universiti Utara Malaysia

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ABSTRACT

The need of web application in the technology information era becomes very important. Nowadays, web application is a backbone of information system. Universiti Pertahanan Nasional Malaysia as one of public universities in Malaysia realizes that by applying web application technology in their institution to maximize from such application. UPNM Academic and Student System as the main academic system in the UPNM show improvement in managing their community by integrating web technology in their systems. This system use Web Content Management System (WCMS) in order to increase their performance and efficiency of work. It has two main entities, namely lecturer and student. Prototyping is needed as a model for designing this system which no fixed requirements. UPNM Academic and Student System is a system with complex rules, policies and requirements. Because of this complexity, prototype will play the role to assist the system to the stakeholder.
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<td>ASP</td>
<td>Active Server Page</td>
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<tr>
<td>ASIS</td>
<td>Academic and Student Information System</td>
</tr>
<tr>
<td>CM</td>
<td>Content Management</td>
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<tr>
<td>CMS</td>
<td>Content Management System</td>
</tr>
<tr>
<td>et al.</td>
<td>Et Alii/Alia (Latin: And Others)</td>
</tr>
<tr>
<td>HTML</td>
<td>Hyper Text Markup Language</td>
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<tr>
<td>HTTP</td>
<td>Hyper Text Transfer Protocol</td>
</tr>
<tr>
<td>IP</td>
<td>Internet Protocol</td>
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<tr>
<td>IT</td>
<td>Information Technology</td>
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<td>JSP</td>
<td>Java Server Page</td>
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<td>Max</td>
<td>Maximum</td>
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<tr>
<td>Min</td>
<td>Minimum</td>
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<td>MS</td>
<td>Microsoft Corporation</td>
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<tr>
<td>PHP</td>
<td>Hypertext Preprocessor</td>
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<td>PNGK</td>
<td>Purata Nilai Gred Kumulatif</td>
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<tr>
<td>SQL</td>
<td>Structured Query Language</td>
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<td>Total Credit Taken</td>
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<td>TPG</td>
<td>Total Pass Grade</td>
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<tr>
<td>UAT</td>
<td>User Acceptance Test</td>
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<tr>
<td>UNIX</td>
<td>UNiplexed Information and Computing</td>
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<tr>
<td>UPNM</td>
<td>Universiti Pertahanan Nasional Malaysia</td>
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<td>UUM</td>
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<tr>
<td>Vs</td>
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<tr>
<td>WCM</td>
<td>Web Content Management</td>
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<td>WCMS</td>
<td>Web Content Management System</td>
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<td>XML</td>
<td>Extensible Markup Language</td>
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CHAPTER 1

INTRODUCTION

The need of web application in the technology information era is very important in assisting human performing their task and carrying out their activities. Internet users create an electronic record that needs to be maintained by conducting business transactions over the web (Barry, 2004). Expertise has proposed a lot of web modeling approaches in order to provide efficiency and the best method of developing web applications (Luinenburg et al., 2008). A decision to manage the content of the web application is very critical since there are many web application methods and approaches to describe their models (Luinenburg et al., 2008) out there.

Web content management (WCM) is the answer to this matter. According to Sireteanu et al. (2008), WCM systems as a branch of content management (CM) gained importance during the web explosion in the mid-1990s. CM is a formal process of converting, collecting, and organizing data, assets and resources of a corporation, institution, project communities or other group of resources in one location in the form of objects. This is very important in order to ensure that knowledge is captured and disseminated efficiently (Brennan et al., 2001). Miller and Manafy (2003) mentioned that the true power of content management “may actually lie in its flexibility to change shape to fit each new business problem before it.” (As cited in Yu, 2005, p. 3).
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REFERENCES


