Using AJAX Technology
In Web Application Development

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ABSTRACT

A new kind of web technology named AJAX is appeared to make online application easier to use, faster, more functional and increase its performance compared with traditional Web applications. By using such technology, web programmers can develop web pages as fast as desktop applications. Which The traditional Web applications have many problems such as slow performance, loss of states, extreme bandwidth, limited interactivity, and the data transmission have redundant code which is unnecessary in each page. This study is going to apply AJAX technology in the development of online guide system for new international students in UUM as case study by using AJAX technology.

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CHAPTER 1

INTRODUCTION

This chapter briefly explains the background of the study that mainly involves the benefits of Ajax technology in web application development. The problem statement, objectives, significance of the project and scope will also be introduced.

1.1 Background

There are now important benefits that can be obtained from various web sites on the Internet. Practical usage of web sites is increased significantly. Even education in universities and schools can not ignore information from web sites (Hanakawa, 2006).

However, there are some problems in web applications through web browsers due to low performance especially, when it takes along time to communicate with servers in web applications (Hanakawa, 2006).

The contents of the thesis is for internal user only

Research Objective 3:

To provide a report about AJAX technology. Results are discussed in chapter 5.

6.2 Research Limitation

- The research has been done to evaluate the AJAX performance comparing with normal websites using specialist evaluated tools (eValid tool). The research didn't take the performance from the user view.
- The research has been check only the performance, and did not take other issues such as the security.

6.3 Recommended works

From the research limitation we can suggest for future to evaluate the technology from other view points such as user point. Also for future the evaluation can be done for other issues such as system security.

6.4 Summary

In this study a prototype of the system called Online Guide System has been developed using PHP. The system has been developed in two ways, the first one without AJAX, and the second one with AJAX. The comparing has been done between both systems to check the performance between the developed systems.

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