Universiti Teknologi MARA

VBScript and JScript used in ASP: from User’s Perspective

Marziani Binti Mahmud

Thesis submitted in fulfillment of the requirements for Bachelor of Science (Hons) Information System Engineering Faculty of Information Technology And Quantitative Science

April 2005
DECLARATION

I certify that this thesis and the research to which it refers are the product of my own work and that any ideas or quotation from the work of other people, published or otherwise are fully acknowledged in accordance with the standard referring practices of the discipline. I, hereby declare that I am responsible for the content of this thesis as it had been submitted as part of partial fulfillment of BSc. (Hons.) in Information System Engineering program.

APRIL, 2005

MARZIANI BINTI MAHMUD
2002328367
ACKNOWLEDGEMENT

First and foremost, I would like to express my most gratitude to God with His blessing, so that I can finish up my research project. Without His consent, this research project cannot be completed.

I would like to take this opportunity to express my deepest and sincere appreciation to my supervisor Pn. Rogayah Abd. Majid for the endless support and encouragement she provided me throughout the duration of my research project. I would like also to take the chance to thank Professor Madya Dr. Noor Habibah Haji Arshad for her advises, kindness and cooperation. I also wish to extend my appreciation to lecturers and students at Faculty of Information Technology and Quantitative Sciences (FTMSK) UiTM Shah Alam for all their help.

I also would like to express my sincere thanks to my entire friend for their support, inspiration and especially for their valuable friendship. Thank you for my best friend Faizal for your precious friendship and for being there for me when I was in needed for someone.

Last but not least, a very special thank you to my family for their support and patience. Lastly for people who involved directly or indirectly in helping me doing this research project. May Allah blessing their life. Thank you.
# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>CONTENT</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>DECLARATION</td>
<td>ii</td>
</tr>
<tr>
<td>ACKNOWLEDGEMENT</td>
<td>iii</td>
</tr>
<tr>
<td>LIST OF TABLES</td>
<td>vii</td>
</tr>
<tr>
<td>LIST OF FIGURES</td>
<td>viii</td>
</tr>
<tr>
<td>ABSTRACT</td>
<td>ix</td>
</tr>
</tbody>
</table>

## CHAPTER ONE: INTRODUCTION

1.1 Project Background           1  
1.2 Problem Description          2  
1.3 Project Scope                3  
1.4 Project Objectives           4  
1.5 Project Significance         4  
1.6 Approach and Methodology     5  
1.7 Overview of the Research     6  

## CHAPTER TWO: LITERATURE REVIEW

2.1 Programming Languages        7  
2.2 Scripting Languages          8  
    2.2.1 Active Server Pager (ASP) 9  
    2.2.2 Definition of VBscript   12  
    2.2.3 Definition of Jscript   13  

ABSTRACT

Over the last few years the interest in scripting languages has dramatically increased. These languages have many important advantages over traditional programming languages. VBscript and Jscript are the most popular scripting languages used in Microsoft's Active Server Pages (ASP). ASP is one of the programming languages used to provide interactive and dynamic web pages. Interactive means that user and server can interact directly to each other and dynamic web pages is one that can change its contents without having to be rewritten each time. The research is to determine the scripting languages that most popular among students and lecturers at Faculty of Information Technology and Quantitative Sciences (FTMSK) UiTM Shah Alam. It is also identify which scripting language between VBscript and Jscript can develop more interactive and dynamic web pages. From this research, new developers can make it as a guideline in choosing the scripting language to write ASP pages. The language choices from most of the respondents that answer the questionnaire are VBscript since it is closely akin to Visual Basic and Visual Basic for Applications. However, for those respondents that are more familiar with C, C++ and Java, Jscript is a comfortable alternative for them. The primary differences between VBscript and Jscript are the syntax of the language, the sensitivity of the variables and supported browsers for the scripting. In the future these scripting languages are likely to become the core of most programming projects because of their power to combine existing components together into a working application system.