

Universiti Teknologi MARA

ENHANCING SCREEN READER TO READ
NON-TEXT ELEMENTS ON WEBSITES

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"/; the name of Allah, the Most Gracious and the Most Merciful, Peace be upon the Holy Prophet, Muhammad S.A. W."

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TABLE OF CONTENTS

APPROVAL FOR SUBMISSION	ii
DECLARATION	iii
ACKNOWLEDGEMENTS	iv
TABLE OF CONTENTS	v
LIST OF FIGURES	vii
LIST OF TABLES	viii
LIST OF APPENDICES	ix
ABSTRACT	x

CHAPTER

1	INTRODUCTION	1
1.1	Project Background	1
1.2	Problem Statement	3
1.3	Objectives	3
1.4	Scope of Project	3
1.5	Significance of Project	4
2	LITERATURE REVIEW	5
2.1	Introduction	5
2.2	Visually Impaired	5
2.3	Text to speech (speech synthesis)	6
2.4	Screen reader Application	9
2.5	The Proposed Methodology	14
2.6	Summary	16

3	METHODOLOGY	
3.1	Introduction	17
3.2	The ADDIE Model	17
3.2.1	Analysis	18
3.2.2	Design	20
3.2.3	Development	21
3.2.4	Implementation	22
3.2.5	Evaluation	23
3.3	Hardware and Software Requirement	24
3.4	Summary	25
4	RESULTS AND FINDINGS	26
4.1	Introduction	26
4.2	Requirement Phase	26
4.3	Design Phase	28
4.2	Testing Phase	31
5	CONCLUSION AND RECOMMENDATIONS	32
5.1	Introduction	32
5.2	Recommendation	32
5.3	Limitation	32
5.2	Conclusion	33
	REFERENCES	34
	APPENDICES	36

ABSTRACT

Nowadays, visually impaired used screen reader to access the computer especially to surf the internet. However, the screen reader cannot read other element other than text. When a picture or any graph and tables include in the website, visually impaired just know it as a graphic. These projects focus on how to make the screen reader describe the entire non-text element in the website when used by the visually impaired. The objective of this project is to identify techniques to improve screen reader 'reading' non-text element which is by giving the details of the object into the coding. Another objective is to redesign the screen reader features. It is also to implement the features on UiTM website. This project is based on ADDIE model as the methodology. ADDIE is an acronym for Analysis, Design, Development, Implementation and Evaluation. The requirement is gathered during the interview conducted with the one of the human computer interaction expert. As a result of this project, the screen reader successfully describes the non-text element by reading the description code. Hopefully this project will give benefits to all users and to the web developer to develop a good website with some suggestion on how to improve the screen reader accessibility.