

**Gamelan Online: Implementation of Image Map
Technique**

BY

NORIZUAN BIN PAIMIN

BACHELOR OF SCIENCE (Hons) COMPUTER SCIENCE

**THESIS SUBMITTED IN PARTIAL FULFILLMENT OF
THE REQUIREMENT FOR THE DEGREE OF
BACHELOR OF SCIENCE**

**FACULTY OF SCIENCE COMPUTER AND
MATHEMATICS**

UNIVERSITITEKNOLOGI MARA

NOV 2010

Acknowledgement

First of all, all praises and thanks to Allah, Lord of al-Mighty, for His Guidance and will, for the revelation of some of His knowledge for me in the successful to write this research.

This research would also not be possible and successful without the help and support from the course coordinator, Dr. Noor Elaiza Abdul Khalid and supervisor, Dr. Siti Salwa Salleh. Many thanks to them for giving instructions, advices, motivation, support and guide the researcher in obtaining a good research.

Many thanks to my beloved parents who never quit in giving to me full support, understanding and courage throughout the research without hassle.

Finally, do not forget to mention and extend thanks to all friends and others for their opinion, support, suggestion and cooperation to do this research.

Abstract

In relatively recent times, gamelan music has begun to accompany secular events, including tourist and concert performances, government functions and educational demonstrations. The majority of music traditions were preserved by oral transmission of rhythms and melodies from generation to generation and there not preserve in digital. This study aims to find ways to assist the young generation in order to show and introducing them for traditional Malaysian music in a more attractive way by using web page. This study can make them enjoy while listening to the song and at the same time can gain their knowledge. One the development of application is focused on applications targeted to the end-user, the usability extreme importance because it is one of the key factors for user acceptance of an application.

Keyword: Malay Gamelan, Traditional Malaysian Music, Web Page

TABLE OF CONTENTS

Approval	iii
Declaration	iv
Acknowledgement	v
Abstract	vi
List of Tables	x
List of Figures	xi
Chapter 1: Introduction	
1.1 Research Background	2
1.2 Problem Statement	3
1.3 Research Purpose	4
1.4 Objectives	5
1.5 Scope	5
1.6 Significance of The Study	6
Chapter 2: Literature Review	
2.1 Introduction to Gamelan	8
2.1.1 Malay Gamelan	9
2.1.2 Instruments and Characteristic	11
2.2 Overview of Web	15
2.2.1 Content of Web	16
2.2.2 Accessible Web design	18
2.2.2 The Five Requirements of an Effective Web Site	19
2.3 Image Map Technique	21
2.3.1 What Is Image Map	21
2.3.2 Advantages of Image Map Navigation	23
2.3.3 Definition in HTML	24

Chapter 3: Methodology	
3.1 Research Methodology	26
3.1.1 Planning Stage	27
3.1.2 Analysis Stage	28
3.1.3 Design Stage	28
3.1.4 Implementation Stage	29
3.1.5 Testing Stage	29
3.2 Prototype Development	30
3.3 Data Collection	31
3.4 Hardware and Software Requirements	31
3.4.1 Hardware Requirement	32
3.4.2 Software Requirement	32
Chapter 4: Result and Findings	
4.1 Interface Design	34
4.1.1 Home Page	34
4.1.2 Instruments Page	35
4.1.3 Songs Page	37
4.1.4 Pop up Info of Main Menu	38
4.2 Measurement Design	39
4.3 Finding Based on Questionnaire	40
4.3.1 Interface Design	41
4.3.2 Efficiency	42
4.3.3 Content of Web	43
4.3.4 Media Use	44
Chapter 5: Conclusion	
5.1 Conclusion on Findings	46
5.2 Recommendations	47