

**Universiti Teknologi MARA**

**DEVELOPMENT OF INTERACTIVE WEB-BASED  
MUSIC LEARNING SYSTEM FOR  
LAB RAT STUDIO  
USING USER-CENTERED DESIGN**

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Thesis submitted in fulfillment of the requirements for  
**Bachelor of Science (Hons)**  
**Information System Engineering**  
**Faculty of Computer and Mathematical Sciences**

**November 2010**

## ACKNOWLEDGEMENT

IN THE NAME OF ALLAH, THE GRACIOUS, THE MOST MERCIFUL

May His blessing be upon the prophet Muhammad s.a.w.

Firstly, I would like to pay my gratitude to Allah S.W.T for giving me strength to be able to complete this project. Without His blessing and permission, this project could not have been completed.

I would like to give my sincere appreciation to my supervisor Puan Japaliah Taslim for her concern, advices, supports and encouragement throughout this thesis progress. My gratitude also goes to my coordinator of Final Year Project (ITS690) FSKM, UiTM Shah Alam, Assoc. Prof. Wan Nor Amalina Wan Hariri and Assoc. Prof. Rashidah Md. Rawi for their valuable guidance in the completion of this project. Special thanks to Mr Azwan Azman and Mr Syarul Reza for giving the opportunity to perform the interview session that helped me in gathering the requirements for this project.

Finally yet importantly, thoughtful thanks to my parents, who gave me an appreciation of learning and taught me the value of perseverance and resolve. I also would like to say thank you to my friends for their support and to the entire person that directly or indirectly helped me in this project. Thanks for inspiring me in such a means that could not be written in words.

May Allah SWT bless all of you. Amin

UiTM Shah Alam, November 2010

Khairul Anwar bin Abd Ghani

## ABSTRACT

Interactive Web-Based Music Learning system is a development project that using User-Centered Design approach. Currently there are several, free to use, online learning systems that teach some of the music theory topics, though one topic that has not yet been covered, is that of music theory composition. The development of a, free to use, web-based learning system to teach music theory composition is therefore the focus of this project. Students learning to play musical instruments often take practical examinations, as a way of externally assessing their progress; before these students can progress beyond Grade 5 practical examinations they are required to pass Grade 5 theory of music. In order to learn the theory of music students often have to pay for individual lessons, which can make this an expensive process. They do not need to attend to a music class where the charges are very expensive for certain people. Besides that, they will find learning music is fun because it is an interactive web- based music learning system that will suit them.

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