

UNIVERSITI TEKNOLOGI MARA

**COURSEWARE FOR HOME DECORATION
(HomeyCo)**

SUMIRA BINTI ABDULLAH

**Thesis submitted in fulfillment of the requirements for
Bachelor of Science (Hons) Business Computing
Faculty of Computer and Mathematical Sciences**

JANUARY 2014

DECLARATION

I certify that this report and the research to which it refers is the product of my own work and that my idea or quotation from the work of other people, published or otherwise are fully acknowledged in accordance with the standard referring practices of the discipline.



.....
SUMIRA BINTI ABDULLAH
2011189511

JANUARY 16, 2014

ABSTRACT

The existence of the development in the information and communication technology (ICT), multimedia has been greatly applicable in the field of learning. Animation, video and audio are integrated with instruction in order to create a more supportive, interesting and conducive learning environment. Nowadays, people tend to use the more attractive materials in their learning process. The courseware for home decoration is less widespread compared to the other courseware. Users will face difficulties to do a survey when they want to decorate a house. This courseware was developed to help the user while decorating a house. HomeyCo was provided with a lot of tips and tricks that are useful to the users while decorating a house. This courseware was developed with using ADDIE model. It consists of five cyclical phases which are analysis, design, development, implementation and evaluation. While doing this project, the formative evaluation and summative evaluation had been done to ensure that this courseware can meet the user's requirements. After done with the development phase, the questionnaires were distributed to 31 respondents to conduct the evaluation process of the project. Most of the respondents gave the positive feedback and satisfied with this courseware. Most of them agreed that they were clearly understand the goal of the homepage of this courseware and the performance of this courseware works very well. The respondents also agreed that the use of terms throughout this courseware were good and easily understandable and they also would like to use this courseware frequently. Some of them also agreed that by using this courseware, it would help them a lot in decorating a house. HomeyCo had already achieved its objectives and the future enhancements will be done from time to time to satisfy the user's needs.

TABLE OF CONTENTS

CONTENTS	PAGE
SUPERVISOR'S APPROVAL	ii
DECLARATION	iii
ACKNOWLEDGEMENT	iv
ABSTRACT	v
TABLE OF CONTENTS	vi
LIST OF FIGURES	ix
LIST OF TABLES	x

CHAPTER ONE: INTRODUCTION

1.1 Introduction	1
1.2 Problem Statement	3
1.3 Aims and Objectives	4
1.4 Scope	4
1.5 Significance	5
1.6 Gantt Chart	6
1.7 Research Framework	7
1.8 Expected Outcome	7
1.9 Conclusion	8

CHAPTER TWO: LITERATURE REVIEW

2.1 Introduction	10
2.2 Introduction to Multimedia Application	10
2.1.1 Elements of Multimedia Application	13
2.1.2 Optimizing Video Files for CD-ROM	15

2.3	Introduction to Courseware	16
2.4	Introduction of Instructional Design (ID)	17
2.4.1	Purpose of ADDIE	17
2.4.2	ADDIE Technique	18
2.5	Personalization of a Home	20
2.5.1	Continuity	21
2.5.2	Privacy	21
2.5.3	Self-expression and personal identity	21
2.5.4	Warmth	21
2.6	Transactional Process of Making a Home Place	22
2.7	Implication of Literature Review in Courseware Development	23
2.8	Conclusion	24

CHAPTER THREE: METHODOLOGY

3.1	Introduction	25
3.2	Research Methodology	25
3.2.1	Analysis	26
3.2.2	Design	27
3.2.3	Development	30
3.2.4	Implementation	31
3.2.5	Evaluation	33
3.3	Summary	34

CHAPTER FOUR: RESULT AND FINDINGS

4.1	Introduction	35
4.2	Demographic Data	35
4.3	Analysis of User Interface Satisfaction	36
4.4	Analysis on Courseware Capabilities	41
4.5	Analysis on Suitability of Terminology and Courseware Information	43