HIGHER TECHNICAL INSTITUTE

COMPUTER STUDIES DEPARTMENT

DIPLOMA PROJECT

ON-LINE STORE SYSTEM

CS/300

ALETRAS IOANNIS KIRTOU ANDREAS

JUNE 2003



INTRODUCTION

Electronic commerce seems to be everywhere these days. It's nearly impossible to open a newspaper or magazine without coming across an article about how ecommerce is going to change all our lives. Businesses of all sizes are bombarded with adverts that seem to imply that any company not investing in e-commerce will be left behind.

E-commerce refers to the sale of goods or services arranged and carried out online, through "virtual storefronts on the web" as well as via chat rooms and email. A wider definition of e-commerce is the conduct of transactions by electronic means.

Following on these trends of today's society, we were called to design an on-line store as our final project for acquiring our diploma.

TABLE OF CONTENTS

ACKNOWLEDGMENTS

INTRODUCTION

CHAPTER 1

ВĴ

1.	INITIAL INVESTIGATION PHASE	01
1.1	INITIAL INVESTIGATION ACTIVITY	01
	1.1.1 Project Description	01
	1.1.2 Resources Needed	02
	1.2.3 Recommendations	03
1.2	FEASIBILITY STUDY	04
	1.2.1 Introduction	04
	1.2.2 Equipment Recommended	04
	1.2.3 Financial Feasibility	05
	1.2.4 Operational Feasibility	06
	1.2.5 Technical Feasibility	06
	1.2.6 Schedule Feasibility	06
	1.2.7 Conclusion	07

2.	ANALYSIS AND	GENERAL DESIGN PHASE	08
2.1	SYSTEM REQUI	REMENTS	08
	2.1.1 Overview N	arrative	08
	2.1.2 Processing		09
	2.1.3 Data Diction	nary	09
	2.1.4 Process Des	scriptions	09
	2.1.5 Entity Relat	ionship Diagram	09
	2.1.6 User Interfa	ace with the System	09
2.2	NEW SYSTEM D	ESIGN	10
	2.2.1 New System	n Design Specification Document	10
	2.2.1.1	Data Files	10
	2.2.1.2	Performance Criteria	11
	2.2.1.3	Security and Control	12
	2.2.2 Software Packages		13
	2.2.3 Conclusions	5	13

5

3.	DETAILED DESIGN AND GENERAL DESIGN PHASE	<u>ያ</u> ረት
3.1	TECHNICAL DESIGN	
	3.1.1 Detail Design Specification Document	14
	3.1.1.1 Backup Requirements and Recovery	
	Procedures	14
	3.1.1.2 User Interface with the System	15
3.2	TEST SPECIFICATION AND PLANNING	15
	3.2.1 Test Plan	15
3.3	PROGRAMMING AND TESTING	16
	3.3.1 The Process of Programming and Testing	16
3.4	USER TRAINING	17
	3.4.1 User Training Description	17
	3.4.2 User Manual	17
3.5	SYSTEM TEST	17
	3.5.1 Complete System Test	17
3.6.	CONCLUSIONS	18

4 4

4.	INSTALLATION PHASE	19
4.1	SYSTEM INSTALLATION 4.1.1 Installation Method	<i>19</i> 19
4.2	CONCLUSION	19

\$

5.	REVIEW		20
5.1 5.2	DEVELOPMENT POST-IMPI FMI	RECAP	20 20
	5.2.1 Activity Description 5.2.2 Post Implementation Review Report		20 21
	5.2.2.1	Evaluation of the extent to which the original requirements and objectives are being met by the installed system Comparison of the developmental and operational costs with original cost	21
		estimates	21
5.3	CONCLUSIONS		21

APPENDICES

Appendix A Gantt Chart	A
Appendix B Other On-Line Store Screens Context Diagram	B1 B2
Appendix C Data Dictionary Data Stores Data Structures Data Elements	B3 C1 C2 C3
Processes Appendix D Entity Relationship Diagram	C4 D
Appendix E Input/Output Screens	E