

HIGHER TECHNICAL INSTITUTE

COURSE IN COMPUTER STUDIES

DIPLOMA PROJECT

**DESIGN OF THE WEB SITE OF THE CYPRUS
COMPUTER SOCIETY**

CS/276

NIKOS ZOUNIS
ANESTIS KYRIAKIDES

5TH JUNE 2002

HIGHER TECHNICAL INSTITUTE	PROJECT NO. 3302
----------------------------------	---------------------

1.1 INITIAL INVESTIGATION ACTIVITY

1.1.1 INFORMATION ABOUT THE ORGANIZATION

It gives general information about the organization, the structure, goals, etc.

1.1.1.1 GENERAL INFORMATION ABOUT THE C.C.S.

The Cyprus Computer Society is a non-profit organization that represents all the scientists, engineers and technicians who are employed or related in the field of Computing and Information Technology.

The C.C.S. is the official representative of IT Professionals in Cyprus.

The organization is a permanent member of CEPIS (Council of European Professional Informatics Societies).

In recent years, the Cyprus Computer Society has gained acceptance and recognition for its contribution in the advancement of computing and IT in Cyprus.

Chapter	Sub-chapter title	Page
Acknowledgments		
Chapter 1: Initial Investigation		
	1.1.1 Information about the organizational	5
	1.1.1.1 General information about the CCS	5
	1.1.1.2 Activities	7
	1.1.1.3 Goals	8
	1.1.1.4 Organizational Structure	9
	1.1.1.5 Policies	10
	1.1.2 Information about the work	11
	1.1.2.1 Description of the existing system	11
	1.1.2.2 Problems with the existing system	12
	1.1.3 Information about the people	13
	1.1.3.1 Information gathering methods	14
	1.1.4 Information about the environment	15
	1.1.4.1 Office Location	15
	1.2 Feasibility Study	16
	1.2.1 Operational Feasibility	21
	1.2.2 Financial Feasibility	22
	1.2.2.1 Introduction	22
	1.2.2.2 Developmental costs and benefits	22
	1.2.2.3 Operational costs and benefits	23
	1.2.3 Technical Feasibility	24
	1.2.4 Human Factor Feasibility	25
	1.2.5 Schedule Feasibility	25
Chapter 2: General Analysis and Design		
	2.1. Existing system review	27
	2.1.1 Introduction	27
	2.1.2 Description of the Existing System	28
	2.1.3 Description of the Existing System procedures	28
	2.1.3 Description of the Existing System outputs	30
	2.2 New system requirements	31
	2.2.1 Introduction	31
	2.2.2 User specification documenting	31
	2.2.2.1 Overview narrative	31
	2.2.2.2 System function	34
	2.2.2.3 Processing	36
	2.2.2.4 Data dictionary	36
	2.2.2.5 System Inputs	37

2.2.2.6 System Outputs	37
2.2.2.7 User interface with the system	38
2.3 System design	40
2.3.1 Introduction	40
2.3.2 New system design specification	41
2.3.2.1 Introduction	41
2.3.2.2 Processing operation	41
2.3.2.3 File design	42

Chapter 3: Detailed design and Implementation

3.1 Introduction	45
3.2 Technical Design	45
3.2.1 Introduction	45
3.2.2 Human-Machine interface design	46
3.2.3 File Design	47
3.2.4 Backup and Recovery measures	47
3.2.5 Security and Control measures	48
3.3 Test Specifications and Planning	49
3.3.1 Introduction	49
3.3.2 Unit Testing	49
3.3.3 Integration Testing	50
3.3.4 Function Testing	50
3.3.5 System Testing	50
3.4 Programming and testing	51
3.5 User training	52
3.5 System test	53

Chapter 4: Installation Phase

4.1 Introduction	55
4.2 File Conversion	55
4.3 System Installation	56

Chapter 5: Review Phase

5.1 Introduction	58
5.2 Development Recap	58
5.2 Post Implementation Review	59

Appendices

Appendix	A	Objectives of the System
Appendix	B1	Context Diagram
Appendix	B2	Data Flow Diagram Level 0
Appendix	B3	Data Flow Diagram Level 1
Appendix	C1	Data Stores
Appendix	C2	Data Structures
Appendix	D	System User-Inputs
Appendix	E	System User-Outputs
Appendix	F	Vocabulary