

A COMPUTERISED INVENTORY CONTROL SYSTEM
FOR WHOLESALE DISTRIBUTORS

Project report submitted by

THEODORA KKALLI

In part satisfaction of the award of Diploma in
Computer Studies of
the Higher Technical Institute, Cyprus

Project Supervisor : Mr Christophoros Solomou BSc MSc

External Assesor : Mr Christos Ellinides BSc MSc

Type of project : INDIVIDUAL

June - 1989



INVESTIGATION PHASE

1. INITIAL INVESTIGATION

The Initial Investigation activity concerning this project is not presented because we consider it to be excessive. That is because the basic requirement of this activity is an investigation and final decision whether the particular project can or cannot be converted into a computerized one.

So, as the Inventory Control has already been computerized many times before, this activity is obviously not necessary to be presented and we continue to the Feasibility study.

TABLE OF CONTENTS

<u>Phase / Activity</u>	<u>Page</u>
THE INVESTIGATION PHASE	
1. INITIAL INVESTIGATION.....	2
2. FEASIBILITY STUDY.....	3
2.1 Description of the System.....	3
2.2 New System Considerations.....	4
2.3 Feasibility Study Considerations.....	6
2.3.1 Technical Feasibility.....	6
2.3.2 Economic Feasibility.....	6
2.3.3 Operational Feasibility.....	6
2.3.4 Schedule Feasibility.....	6
ANALYSIS AND GENERAL DESIGN PHASE	
3. EXISTING SYSTEM REVIEW.....	7
3.1 Introduction.....	7
3.2 Review of Existing System Processes.....	7
3.3 Data Stores / Inputs / Outputs of the Existing System.....	7
3.3.1 Data Stores.....	7
3.3.2 Inputs.....	8
3.3.3 Outputs.....	8
3.3.4 Current Defficiencies.....	8
4. NEW SYSTEM REQUIREMENTS.....	9
4.1 Introduction.....	9
4.2 User Specification Document.....	10
4.2.1 Overview Narratives.....	10
4.2.2 New System Processes.....	10
4.2.2.1 Stock Arrival.....	10
4.2.2.2 Sell Items.....	10
4.2.2.3 Purchases Return.....	11
4.2.2.4 Sales Return.....	11
4.2.2.5 Damaged / Lost Stock.....	11
4.2.2.6 Updating of Master File...11	
4.2.2.7 End Of Month.....	12

4.2.2.8	End Of Year.....	12
4.2.2.9	Write New Item Details....	12
4.2.2.10	Prepare Reports.....	13
4.2.3	New System Inputs.....	15
4.2.4	New System Outputs.....	15
4.2.4.1	Detail Reports.....	16
4.2.4.2	Summary Reports	17
4.2.4.3	Exception Reports.....	18
4.2.5	User Interface with the System....	19

5. NEW SYSTEM DESIGN

5.1	Introduction.....	20
5.2	New System Design Specifications.....	20
5.2.1	Data Stores.....	20
5.2.2	Performance Critiria.....	21
5.2.3	Securities & Controls.....	21
5.2.4	Hardware Requirements.....	24

6. IMPLEMENTATION AND INSTALLATION PLANNING.....25

6.1	Preliminary Detailed Design.....	25
6.2	Preliminary Test Plan.....	25
6.3	User Training Outline.....	26
6.4	Preliminary Installation Plan.....	26

DETAILED DESIGN AND IMPLEMENTATION PHASE

7. TECHNICAL DESIGN.....27

7.1	Introduction.....	27
7.2	System Flowcharts.....	27
7.3	Structure Chart.....	27
7.4	Software Considerations.....	27

8. TEST SPECIFICATION AND PLANNING.....28

PROJECT CONCLUSION.....29

FUTURE EXPANDABILITY OF THE SYSTEM.....30

APPENDIX A

Data Flow Diagrams	
Zero Diagram	
Context Diagram	
Cost/Benefit Analysis	

APPENDIX B

System Outputs
System Inputs
Data Stores

APPENDIX C

System Flowcharts
Screen Formats
Structure Chart