

**HIGHER TECHNICAL INSTITUTE**

**COMPUTER STUDIES  
DEPARTMENT**

**DIPLOMA PROJECT**

**Personal Portfolio Management  
System**

**CS/391**

**GEORGE LIASIS  
PANAYIOTIS FALAS**

**JUNE 2008**

# PERSONAL PORTFOLIO MANAGEMENT SYSTEM

BY  
George Liasis  
Panayiotis Falas

Diploma Report Submitted to the  
HIGHER TECHNICAL INSTITUTE  
NICOSIA, CYPRUS  
In partial fulfilment of the requirements  
For the award of the  
DIPLOMA in COMPUTER STUDIES

Project Number: CS/391

Project Supervisor: Mrs. Maria Theodorou  
External Examiner: Mrs. Vasiliki Megalemou

June 2008

---

**Table of contents**

<b>Introduction</b>	6
<b>CHAPTER 1 – INVESTIGATION PHASE</b>	
<b>1.1 INITIAL INVESTIGATION</b>	
1.1.1 Introduction	9
1.1.2 Project Description	9
1.1.3 Information Gathering	10
1.1.4 Recommendations	10
1.1.5 Conclusion	11
<b>1.2 FEASIBILITY STUDY</b>	
1.2.1 Introduction	13
1.2.2 Technical Feasibility	13
1.2.3 Financial Feasibility	15
1.2.4 Operational Feasibility	15
1.2.5 Schedule feasibility	15
1.2.6 Conclusion	16
<b>Chapter 2 – ANALYSIS AND GENERAL DESIGN PHASE</b>	
<b>2.1 SYSTEM REQUIREMENTS</b>	
2.1.1 Introduction	19
2.1.2 Overview Narrative	19
2.1.3 System Function	19
2.1.4 Processing	20
2.1.5 Data Dictionary	20
2.1.6 Process Description	20
2.1.7 User Interface with the system	20
<b>2.2 SYSTEM DESIGN</b>	
2.2.1 Introduction	22
2.2.2 Data Files	22
2.2.3 Performance Criteria	23
2.2.4 Security Control	23
2.2.5 Conclusion	24

**Chapter 3 – DETAILED DESIGN AND IMPLEMENTATION PHASE****3.1 TECHNICAL DESIGN**

3.1.1 Backup Requirement and recovery procedures	27
3.1.2 User Interface With The System	27
3.2 Test Specification and Planning	28
3.3 Programming and Testing	29

**3.4 USER TRAINING**

3.4.1 User Training Description	31
3.4.2 User Manual	31
3.5 System Test	31
3.6 Conclusion	31

**Chapter 4 – INSTALLATION PHASE**

4.1 System Installation	33
4.2 Conclusion	33

**Chapter 5 – REVIEW PHASE**

5.1 Introduction	35
5.2 Development Recap	35

**5.3 POST IMPLEMENTATION REVIEW**

5.3.1 Introduction	37
5.3.2 Post Implementation Review	37
5.4 Conclusion	37

**APPENDICES****Appendix A**

Gantt chart A

**Appendix B**

Similar Systems Screens B1

Scanned Documents needed B2

Context Diagram B3

Logical Diagram B4

**Appendix C**

Data Stores C1

Data Structures C2

Date Elements C3

Processes C4

**Appendix E**

Input/Output Screens D

## INTRODUCTION

Nowadays every family has many things to take care of. First of all they have to keep track of all their financial activities so they can have a view at any time their balances and what they need to pay. Also they have to keep track of all their property such as land, house, cars so that they can see if they had to pay insurances or taxes for each one and when they have to do it.

As everyone can see computers became a part of our life. Every task that the human need to do, computers make it easier by specific software and systems. After a research that we have done we realized that there isn't any software that will help a family be well organized and friendly enough to be used by any person that knows the basic functions of a computer. So we decided to do one system which will fulfil the above needs.

So our goal is to design a system called PERSONAL PORTFOLIO MANAGEMENT SYSTEM (PPMS) which will help a family to manage and organize its personal information such as financial (loans, salary, bills, etc) and its property (land, house, car, etc). The user will be able to store any information related with the above easily in our database and view it, modify it and generate reports for any period he/she want.

To conclude we strongly believe that personal portfolio management system will give a solution to many families in our society that they are not well organized.