# HIGHER TECHNICAL INSTITUTE COMPUTER STUDIES DEPARTMENT

## **DIPLOMA PROJECT**

### REAL ESTATE MANAGEMENT SYSTEM

**CS/303** 

ANDREAS CHARALAMBOUS

**JUNE 2003** 



#### **Introduction**

**Project Title:** Real Estate Management System

**Author:** Andreas Charalambous

The scope of this project is to computerize a Real Estate System. No paper work will exist. A user-friendly environment will created to give the ability to the user to make his work easier and with pleasure since the whole work will be done computerized instead of manually. This project is called "Real Estate Management System".

# TABLE OF CONTENTS

#### REAL ESTATE MANAGEMENT SYSTEM

CHAPTERS	PAGES
ACKNOWLEDGMENT	IV
INTRODUCTION	V
1. INVESTIGATION PHASE	1
1.1. INITIAL INVESTIGATION	2
1.1.1. INFORMATION ABOUT THE ORGANIZATION	2 3
1.1.2. INFORMATION ABOUT PEOPLE	3
1.1.3. INFORMATION ABOUT THE WORK	5
1.1.4. INFORMATION ABOUT THE WORK ENVIRONMENT	
1.1.5. CONCLUSION AND RECOMMENDATIONS	9
1.2. FEASIBILITY STUDY	10
1.2.1. INTRODUCTION	10
1.2.2. FIRST RECOMMENDATION	11
1.2.2.1. FINANCIAL FEASIBILITY	11
1.2.2.2. TECHNICAL FEASIBILITY	14
1.2.2.3. SCHEDULE FEASIBILITY	15
1.2.2.4. OPERATIONAL FEASIBILITY	15
1.2.2.5. CONCLUSION	15
1.2.3. SECOND RECOMMENDATION	17
1.2.3.1. FINANCIAL FEASIBILITY	17
1.2.3.2. TECHNICAL FEASIBILITY	19
1.2.3.3. SCHEDULE FEASIBILITY	19
1.2.3.4. OPERATIONAL FEASIBILITY	20
1.2.3.5. CONCLUSION	20
1.2.4. CONCLUSION	21
2. ANALYSIS & GENERAL DESIGN PHASE	22

2.1. EXISTING SYSTEM REVIEW	23
2.1.1. INTRODUCTION	23
2.1.2. EXISTING SYSTEM REVIEW	23
2.2. NEW SYSTEM REQUIREMENTS	26
2.2.1. INTRODUCTION	26
2.2.2. OVERVIEW NARRATIVE	26
2.2.3. SYSTEM FUNCTION	27
2.2.4. PROCESSING	27
2.2.5. INPUTS TO THE NEW SYSTEM	29
2.2.6. OUTPUTS OF THE NEW SYSTEM	29
2.2.7. SYSTEM INTERFACE	30
2.2.8. CONCLUSION	30
2.3. NEW SYSTEM DESIGN	31
2.3.1. INTRODUCTION	31
2.3.2. PROCESSING	31
2.3.3. INPUTS OF THE NEW SYSTEM	31
2.3.4. OUTPUTS OF THE NEW SYSTEM	32
2.3.5. DATA FILES	32
2.4 INSTALLATION AND IMPLEMENTATION PLANNING	35
2.4. INSTALLATION AND IMPLEMENTATION PLANNING	35 35
2.4.1. INTRODUCTION	35 35
2.4.1. INTRODUCTION 2.4.2. PRELIMINARY DESIGN & IMPLEMENTATION	35
2.4.1. INTRODUCTION 2.4.2. PRELIMINARY DESIGN & IMPLEMENTATION PLANNING	35 35
2.4.1. INTRODUCTION 2.4.2. PRELIMINARY DESIGN & IMPLEMENTATION	35
2.4.1. INTRODUCTION 2.4.2. PRELIMINARY DESIGN & IMPLEMENTATION PLANNING	35 35
2.4.1. INTRODUCTION 2.4.2. PRELIMINARY DESIGN & IMPLEMENTATION PLANNING	35 35
2.4.1. INTRODUCTION 2.4.2. PRELIMINARY DESIGN & IMPLEMENTATION PLANNING 2.4.3. PRELIMINARY SYSTEM TEST PLAN  3. DETAIL DESIGN AND IMPLEMENTATION PHASE	35 35 35 40
<ul> <li>2.4.1. INTRODUCTION</li> <li>2.4.2. PRELIMINARY DESIGN &amp; IMPLEMENTATION PLANNING</li> <li>2.4.3. PRELIMINARY SYSTEM TEST PLAN</li> </ul> 3. DETAIL DESIGN AND IMPLEMENTATION PHASE 3.1. TECHNICAL DESIGN	35 35 35 40 41
<ul> <li>2.4.1. INTRODUCTION</li> <li>2.4.2. PRELIMINARY DESIGN &amp; IMPLEMENTATION PLANNING</li> <li>2.4.3. PRELIMINARY SYSTEM TEST PLAN</li> <li>3. DETAIL DESIGN AND IMPLEMENTATION PHASE</li> <li>3.1. TECHNICAL DESIGN</li> <li>3.1.1. INTRODUCTION</li> </ul>	35 35 35 40 41 41
<ul> <li>2.4.1. INTRODUCTION</li> <li>2.4.2. PRELIMINARY DESIGN &amp; IMPLEMENTATION PLANNING</li> <li>2.4.3. PRELIMINARY SYSTEM TEST PLAN</li> </ul> 3. DETAIL DESIGN AND IMPLEMENTATION PHASE 3.1. TECHNICAL DESIGN	35 35 35 40 41
<ul> <li>2.4.1. INTRODUCTION</li> <li>2.4.2. PRELIMINARY DESIGN &amp; IMPLEMENTATION PLANNING</li> <li>2.4.3. PRELIMINARY SYSTEM TEST PLAN</li> <li>3. DETAIL DESIGN AND IMPLEMENTATION PHASE</li> <li>3.1. TECHNICAL DESIGN</li> <li>3.1.1. INTRODUCTION</li> </ul>	35 35 35 40 41 41
<ul> <li>2.4.1. INTRODUCTION</li> <li>2.4.2. PRELIMINARY DESIGN &amp; IMPLEMENTATION PLANNING</li> <li>2.4.3. PRELIMINARY SYSTEM TEST PLAN</li> <li>3. DETAIL DESIGN AND IMPLEMENTATION PHASE</li> <li>3.1. TECHNICAL DESIGN</li> <li>3.1.1. INTRODUCTION</li> <li>3.1.2. DETAILED DESIGN SPECIFICATION DOCUMENT</li> </ul>	35 35 35 40 41 41 41
<ul> <li>2.4.1. INTRODUCTION</li> <li>2.4.2. PRELIMINARY DESIGN &amp; IMPLEMENTATION PLANNING</li> <li>2.4.3. PRELIMINARY SYSTEM TEST PLAN</li> <li>3. DETAIL DESIGN AND IMPLEMENTATION PHASE</li> <li>3.1. TECHNICAL DESIGN</li> <li>3.1.1. INTRODUCTION</li> <li>3.1.2. DETAILED DESIGN SPECIFICATION DOCUMENT</li> <li>3.2. TEST SPECIFICATION AND PLANNING</li> </ul>	35 35 35 40 41 41 41 44
<ul> <li>2.4.1. INTRODUCTION</li> <li>2.4.2. PRELIMINARY DESIGN &amp; IMPLEMENTATION PLANNING</li> <li>2.4.3. PRELIMINARY SYSTEM TEST PLAN</li> <li>3. DETAIL DESIGN AND IMPLEMENTATION PHASE</li> <li>3.1. TECHNICAL DESIGN</li> <li>3.1.1. INTRODUCTION</li> <li>3.1.2. DETAILED DESIGN SPECIFICATION DOCUMENT</li> <li>3.2. TEST SPECIFICATION AND PLANNING</li> <li>3.2.1. INTRODUCTION</li> </ul>	35 35 35 40 41 41 41 44 44
<ul> <li>2.4.1. INTRODUCTION</li> <li>2.4.2. PRELIMINARY DESIGN &amp; IMPLEMENTATION PLANNING</li> <li>2.4.3. PRELIMINARY SYSTEM TEST PLAN</li> <li>3. DETAIL DESIGN AND IMPLEMENTATION PHASE</li> <li>3.1. TECHNICAL DESIGN</li> <li>3.1.1. INTRODUCTION</li> <li>3.1.2. DETAILED DESIGN SPECIFICATION DOCUMENT</li> <li>3.2. TEST SPECIFICATION AND PLANNING</li> <li>3.2.1. INTRODUCTION</li> <li>3.2.2. MODULE TESTING</li> </ul>	35 35 35 40 41 41 41 44 44 44
<ul> <li>2.4.1. INTRODUCTION</li> <li>2.4.2. PRELIMINARY DESIGN &amp; IMPLEMENTATION PLANNING</li> <li>2.4.3. PRELIMINARY SYSTEM TEST PLAN</li> <li>3. DETAIL DESIGN AND IMPLEMENTATION PHASE</li> <li>3.1. TECHNICAL DESIGN</li> <li>3.1.1. INTRODUCTION</li> <li>3.1.2. DETAILED DESIGN SPECIFICATION DOCUMENT</li> <li>3.2. TEST SPECIFICATION AND PLANNING</li> <li>3.2.1. INTRODUCTION</li> <li>3.2.2. MODULE TESTING</li> <li>3.2.3. FUNCTION TESTING</li> </ul>	35 35 35 35 40 41 41 41 44 44 44 44

3.3. PROGRAMMING AND TESTING	46
3.4. USER TRAINING	47
3.5. SYSTEM TEST	48
3.6. CONCLUSION	49
4. INSTALLATION PHASE	50
4.1. SYSTEM INSTALLATION 4.1.1. INSTALLATION METHOD 4.1.2. CONCLUSION	51 51 51
5. REVIEW PHASE	52
5.1. DEVELOPMENT RECAPITALIZATION 5.1.1. INTRODUCTION	53 53
5.2. POST-IMPLEMENTATION REVIEW 5.2.1. INTRODUCTION 5.2.2. EVALUATE IF THE ORIGINAL REQUIREMENTS	54 54
ARE BEING MET BY THE SYSTEM  5.2.3. COMPARISON OF THE ESTIMATED WITH THE  ORIGINAL DEVELOPMENTAL AND OPERATION	54
COSTS 5.2.4. CONCLUSION	54 54
REFERENCES	55
APPENDICES	57