

HIGHER TECHNICAL INSTITUTE

COMPUTER STUDIES COURSE

DIPLOMA PROJECT

SIMULATION PACKAGE FOR ADVANCED
OPERATING SYSTEM CONCEPTS AND OPERATING
SYSTEM DESIGN ALGORITHMS

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SIMULATION PACKAGE FOR ADVANCED OPERATING SYSTEM CONCEPTS AND OPERATING SYSTEM DESIGN ALGORITHMS

Project Report Submitted By
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In partial satisfaction of the Award of Diploma in Computer Studies of the Higher
Technical Institute (H.T.I) Cyprus

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HIGHER TECHNICAL INSTITUTE	PROJECT NO
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Table of Contents

Introduction	3
1. Investigation Phase.....	5
1.1 Initial Investigation Activity.....	6
1.1.1 Introduction	6
1.1.2 Definition of the problem.....	6
1.1.3 Information Gathering	6
1.1.4 Recommendations	7
1.1.5 Development Tools to be Used	8
1.2 Feasibility Study	9
1.2.1 Introduction	9
1.2.2 Financial Feasibility	9
1.2.3 Operational Feasibility	11
1.2.4 Technical Feasibility	11
1.2.5 Schedule Feasibility.....	12
1.2.6 Humans Factors Feasibility.....	12
1.2.7 Conclusion.....	12
2. Analysis And General Design Phase.....	14
2.1 Existing System Review	14
2.1.1 Introduction	14
2.1.2 Description of Current Processing	14
2.1.3 Current System Outputs.....	14
2.1.4 Current System Limitations.....	15
2.2 New System Requirements	16
2.2.1 Introduction	16
2.2.2 Overview Narrative.....	16
2.2.3 System Functions.....	16
2.2.4 Classes Description.....	17
2.2.5 Inputs.....	17
2.2.6 Outputs.....	17
2.2.7 User Interface with the system	17
2.3 New System Design.....	18
2.3.1 Data Files.....	18
2.3.2 Performance Criteria	20
3. Detailed Design And Implementation Phase	22
3.1 Technical Design.....	22
3.1.1 Human – Machine Interface Design	22
3.1.2 Application Software Design	23
3.2 Test Specifications and Planning	31
3.2.1 Unit Testing.....	31
3.2.2 Integration Testing.....	31

3.2.3 System Testing	32
3.2.4 Programming and Testing	32
3.3 User Training	33
3.3.1 User Training Description	33
3.3.2 User Manual	33
4. Installation Phase	35
4.1 System Installation	35
5. Conclusion	36

Introduction

This project was proposed by Mrs. Pagona Katsouri, lecturer of the Computer Studies department of H.T.I. The goal of this project is the production of a simulation package to present, explain and actually simulate algorithms, schemes taught in the “Advanced Operating System Concepts” and “Operating System Design” courses here at H.T.I.

The project objectives are the following:

- ✓ To analyze design and develop a user-friendly simulation package to present, explain and actually simulate algorithms, schemes taught in the “Advanced Operating System Concepts” and “Operating System Design” courses.
- ✓ The system should use graphic or any other suitable presentation method for the results.
- ✓ It must be flexible and interactive

This project will help the students to self study in order to learn better the material of Operating System courses.

It will also act as a tool for the lecturer which will allow him/her to provide computational questions on the algorithms that will be implemented in tests or exams.

Since this project is a simulation for Operating System algorithms it does not comply with many steps of the structured system analysis and design method (SSADM approach), hence not all phases will be followed. Many of its phases will be altered or even passed over as necessary, in order to provide the best possible documentation for the project.