



De La Salle University – Dasmariñas

**PATIENT'S FILE MANAGEMENT SYSTEM
OF OSPITAL NG TAGAYTAY**

2002

An Undergraduate thesis

Presented to

The Faculty of Computer Studies Department

De La Salle University – Dasmariñas

Dasmariñas, Cavite

In Partial Fulfillment

of the Requirements for the Degree

Bachelor of Science in Computer Science

by

Exconde, Jansen E.

Perido, Leeneth H.

Vidamo, Catherine A.

March 2002

AKLATANG EMILIO AGUINALDO ARCHIVES



ABSTRACT

Nowadays, manual keeping of database can no longer be done effectively because of the growing number of records. *Ospital ng Tagaytay* has been currently carrying out data recording manually to be able to maintain the consistency of records. Patient File Management System of *Ospital ng Tagaytay* has been created to meet the needs of the management for the efficiency and organization of their database and records. After identifying the problems being encountered by the current system, the proponents were able to think of a better solution that will help the slow process of creating, maintaining, updating and storing of the patient's records.

Patient File Management System of *Ospital ng Tagaytay* is a system software for an easy access of files that enables to add a new record, edit an existing record, delete an existing record and update records. Password is provided for the security of files. Some system features are also included that will satisfy the end-users needs.



TABLE OF CONTENTS

Approval Sheet	
Acknowledgement	
Table of Contents	
Abstract	
Chapter 1: Introduction	
1.1 The Problem and its Background	1-1
1.2 Objectives	1-3
1.2.1 General Objectives	1-3
1.2.2 Specific Objectives	1-3
1.2.3 Project Deliverables	1-3
1.3 Significance of the Study	1-4
1.4 Scope and Limitations of the Study	1-5
1.5 System Methodology	1-6
1.5.1 Prototyping	1-6
1.5.2 Method of Data Collection	1-11
1.5.3 Method of Analysis	1-12
Chapter 2: Review of Related Literature	2-1
Chapter 3: The Existing System	3-1
3.1 Current System Overview	3-1
3.2 Administrative Setup	3-3
3.3 System Coverage	3-4
3.4 System Inputs	3-5
3.5 System Outputs	3-5
3.6 Problem and Difficulties with the Current System	3-6
3.6.1 Medical Record Section	3-6
3.6.2 Procedure	3-7
3.6.3 Equipment	3-7
3.6.4 Materials	3-8
Chapter 4: The Proposed System	4-1
4.1 Description	4-1
4.2 Scope of the Proposed System	4-2
4.3 System Objectives	4-2
4.4 System Justification	4-3
4.5 System Design	4-4
4.5.1 Input	4-4
4.5.2 Process	4-6
4.5.3 Output	4-10
4.6 Architectural Design	4-11
4.7 Database Design	4-18
4.8 Project Schedule	4-19
Chapter 5: Summary, Conclusions and Recommendations	5-1
5.1 Summary	5-1
5.2 Conclusion	5-2
5.3 Recommendation	5-3



List of Figures
List of Appendices
Bibliography
The Authors





LIST OF FIGURES

Figure 1. An Ideal Prototyping Process	1-7
Figure 4. Forms	
Figure 4.1 Password Access Form	4-11
Figure 4.2 Main Menu Form	4-12
Figure 4.3 Patient Medical Form	4-13
Figure 4.4 Census Report and Frequently Encountered Disease Report Form	4-14
Figure 4.5 Annual Investment Plan Form	4-15
Figure 4.6 Change Password Form	4-16
Figure 4.7 Change Username Form	4-17
Figure 4.8 Maintenance Form	4-18



LIST OF APPENDICES

Appendix A	Data Flow Diagram of the Existing System	A-1
Appendix B	Data Flow Diagram of the Proposed System	B-1
Appendix C	Entity Relationship Diagram of the Proposed System	C-1
Appendix D	Attributes of the Entity Relationship Diagram of the Proposed System	D-1
Appendix E	Ishikawa Diagram	E-1
Appendix F	Dialogue Tree	F-1
Appendix G	Data Dictionaries / Table Structures	G-1
Appendix H	Screen Designs and Screen Flows	H-1
Appendix I	Report Format	I-1
Appendix J	Certification	
Appendix J.1	Panelists' Certification	J-1
Appendix J.2	Special Problem Clearance	J-2
Appendix J.3	Editor's Certification	J-3
Appendix J.4	CRC Representatives Certification	J-4
Appendix J.5	Adviser's Certification	J-5