

Surgical Clinic Management System

Database Course Project

Yosberto Baro Carbonell

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Abstract

[Brief description of the project, its goals and main features]

Indice

1	Introduction	3
1.1	Project Overview	3
1.2	Objectives	3
1.3	Project Scope	3
2	Requirements Analysis	4
2.1	Interview and Requirements in Natural Language	4
2.2	Ambiguity Analysis and Corrections	4
2.3	Extraction of Core Concepts	4
2.4	User Views Analysis	4
2.4.1	Public Area	4
2.4.2	Doctors' Area	4
2.4.3	Administrative Area	4
2.5	List of Main Operations	4
3	Conceptual Design	5
3.1	Schema Development by Domain	5
3.1.1	Patient Management	5
3.1.2	Doctor Management	5
3.1.3	Surgery Management	5
3.1.4	Post-operative Care	5
3.2	Views Integration	5
3.3	Final Conceptual Schema	5
4	Logical Design	6
4.1	Data Volume Estimates	6
4.2	Operation Frequency Analysis	6
4.3	Navigation Schemas and Access Tables	6
4.4	Schema Refinement	6
4.5	Redundancy Analysis	6
4.6	Translation to Relations	6
4.7	Final Relational Schema	6
5	Physical Design	7
5.1	Index Selection	7
5.2	Attribute Ordering	7
5.3	Implementation Considerations	7

6	Application Design	8
6.1	Architecture Description	8
6.2	Interface Design	8
6.2.1	Public Interface	8
6.2.2	Doctor Interface	8
6.2.3	Administrative Interface	8
6.3	Key Features Implementation	8
7	Conclusions	9
7.1	Project Summary	9
7.2	Future Developments	9
A	SQL Code	10
A.1	Database Creation Scripts	10
A.2	Main Queries	10
B	Application Code Excerpts	11
B.1	Key Implementation Details	11

Capitolo 1

Introduction

1.1 Project Overview

1.2 Objectives

1.3 Project Scope

Capitolo 2

Requirements Analysis

2.1 Interview and Requirements in Natural Language

2.2 Ambiguity Analysis and Corrections

2.3 Extraction of Core Concepts

2.4 User Views Analysis

2.4.1 Public Area

2.4.2 Doctors' Area

2.4.3 Administrative Area

2.5 List of Main Operations

Capitolo 3

Conceptual Design

3.1 Schema Development by Domain

3.1.1 Patient Management

3.1.2 Doctor Management

3.1.3 Surgery Management

3.1.4 Post-operative Care

3.2 Views Integration

3.3 Final Conceptual Schema

Capitolo 4

Logical Design

4.1 Data Volume Estimates

4.2 Operation Frequency Analysis

4.3 Navigation Schemas and Access Tables

4.4 Schema Refinement

4.5 Redundancy Analysis

4.6 Translation to Relations

4.7 Final Relational Schema

Capitolo 5

Physical Design

5.1 Index Selection

5.2 Attribute Ordering

5.3 Implementation Considerations

Capitolo 6

Application Design

6.1 Architecture Description

6.2 Interface Design

6.2.1 Public Interface

6.2.2 Doctor Interface

6.2.3 Administrative Interface

6.3 Key Features Implementation

Capitolo 7

Conclusions

7.1 Project Summary

7.2 Future Developments

Appendice A

SQL Code

A.1 Database Creation Scripts

A.2 Main Queries

Appendice B

Application Code Excerpts

B.1 Key Implementation Details