



De La Salle University-Dasmariñas

Online Reservation and Billing System

for

Batis ng Makiling Resort

An Undergraduate Thesis

Presented to

The Computer Studies Department

College of Science

De La Salle University – Dasmariñas

In Partial Fulfillment of the

Requirements for the Degree

Bachelor of Science in Computer Science

Marie Pauline T. Deligero

Lieza Marie P. Naz

Billy Joel V. Santos

November 2011



Abstract

The purpose of this study is to create an Online Reservation and Billing System for Batis ng Makiling Resort. It is an online system created using VB.NET programming language with SQL Server Management Studio 2008 for the database of records. Based on the proponents' research, the resort uses a manual system for the reservation and billing of the customer which is very time-consuming and may be unreliable because 3 persons handle the logbook. It is proposed to create a system that will make billing and reservation a lot more convenient for customers. The system includes user accounts for the administrator and employees in order to secure and limit the information manipulated. It also includes viewing and filtering of available amenity and dates which make it easier for the customer if they wish to make a reservation. More importantly, the administrator accounts can monitor the availability of the resort and can maintain the records better than the existing system.

The proponents learned that managing a business is very difficult. They also learned that in reality, competition is stiff among different types of businesses. In order to succeed, one has to capture the interest of people and give them convenience through the services provided. It is learned that noting is easy but with hard work and patience, anyone can succeed and achieve their goals.



Table of Contents

Title Page	
Approval Sheet	
Certification	
Acknowledgement	
Abstract	
Chapter 1	
1.1 Background of the Study	8
1.2 Statement of the Research Problem	11
1.3 Statement of Objectives	13
1.4 Significance of the Study	14
1.5 Scope and Limitation of the Study	15
1.6 Methodology	16
Chapter 2	
2.1 Local Literatures	19
2.2 Foreign Literatures	24
Chapter 3	
3.1 Statement of Assumptions	30
3.2 Operational Definitions	30
3.3 Theories Used on the Study	36
Chapter 4	
4.1 Description of the System	42
4.2 Inputs	43
4.3 Processes	43
4.4 Files	48
4.5 Outputs	52
4.6 Problem Areas	53
Chapter 5	
5.1 System Overview	54
5.2 System Objectives	56
5.3 Scope	56
5.4 System Justification	58
Chapter 6	
6.1 Inputs	61
6.2 Processes	65
6.3 Files	71



6.4 Outputs	79
Chapter 7	
7.1 Resource Requirements	83
7.2 Installation Plans	85
Chapter 8	
8.1 Conclusion	90
8.2 Recommendation	91
List of Figures	
Figure 1.1 Prototyping Model for the Methodology	93
Figure 1.2 Context Diagram of the Existing System	94
Figure 1.3 Level – Diagram of the Existing System	95
Figure 1.4 Child Diagram of Process 6.0 of the Level – 0 Diagram	96
Figure 1.5 Context Diagram of the Proposed System	97
Figure 1.6 Level – 0 Diagram of the Proposed System	98
Figure 1.7 Entity Relationship Diagram	99
Figure 1.8 Normalization Table	100
List of Table	
Table 1.1 Training Plans	104
List of Appendices	
Appendix A: Transcript of the Interview	107
Appendix B: Sample Forms of the Existing System	112
Appendix C: Screen Design	119
Bibliography	
Curriculum Vitae	