



De La Salle University - Dasmariñas

**AN ONLINE BILLING AND RESERVATION SYSTEM FOR
COVELANDIA DU LABRADOR FAMILY BEACH RESORT**

An Undergraduate Research Proposal Presented to

The Computer Studies Department

College of Science and Computer Studies

De La Salle University – Dasmariñas

**In Partial Fulfilment of the Requirements for the Degree of
Bachelor of Science in Information Technology**

Alhambra, Jose Miguel B.

Barcel, Charisma C.

Garcia, Billy Joe JC P.



TABLE OF CONTENTS

Title Pagei

Acknowledgmentsii

Table of Contentsiv

List of Figuresvi

List of Appendicesvii

Abstract.....viii

Chapter I: Introduction

Background of the Study 1

Statement of the Problem 5

Research Objectives 8

Significance of the Study..... 9

Conceptual Framework 11

Scope and Limitations 12

Chapter II: Literature Review

Local Literatures 15

Foreign Literatures 22



Chapter III: Methodology

Interviewing 31

The V-Model..... 32

Chapter IV: Presentation of Results and Findings

The Evaluation Form..... 38

Results 40

Chapter V: Discussion and Conclusions of Results and Findings

Conclusion 44

Recommendations 46

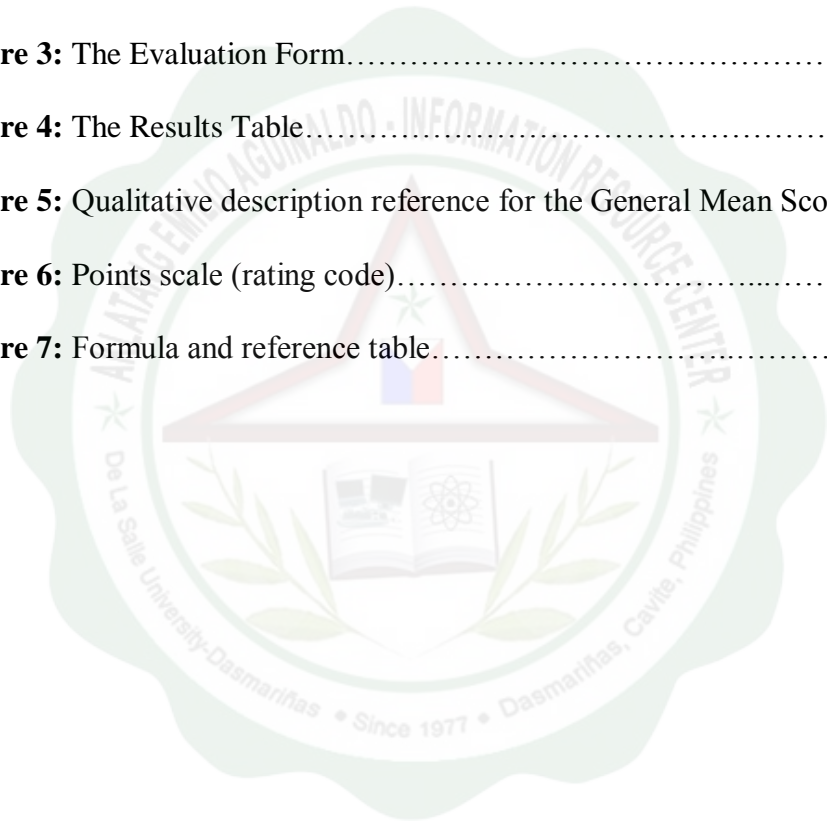
Bibliography 47

Appendices..... 48



List of Figures

Figure 1: IPO Diagram.....	11
Figure 2: The V- Model.....	32
Figure 3: The Evaluation Form.....	38
Figure 4: The Results Table.....	40
Figure 5: Qualitative description reference for the General Mean Score.....	41
Figure 6: Points scale (rating code).....	42
Figure 7: Formula and reference table.....	42





List of Appendices

Appendix A: Data Flow Diagram of the Existing System.....	49
Appendix B: Data Flow Diagram of the Proposed System.....	53
Appendix C: Entity-Relationship Diagram of the Proposed System.....	59
Appendix D: Normalization.....	61
Appendix E: Forms.....	65
Appendix F: Screen Shots.....	69
Appendix G: Curriculum Vitae.....	72



ABSTRACT

The main purpose of this study was to develop an online billing and reservation system for Covelandia Du Labrador Family Beach Resort that will satisfy the requirements to a more reliable customer-resort transaction.

Covelandia is located at Brgy. Tobuan, Labrador, Pangasinan a hundred kilometer away from Manila.

The proponents of this study identified the existing problems of the said company and seek to eliminate them. The proponents prepared suitable solutions by analyzing the data movements, processes, inputs and outputs with the use of different graphical representations such as the Entity Relationship Diagram and the Data Flow Diagram. The V-model was used as a method of research that allowed them to re-execute the previous phase to fix and improve the requirements, design and code. The proponents conducted interviews and evaluations in order to gather data and improve the system. They also reviewed several literatures to become aware on the present in demand strategies regarding reservations and attracting more customers by utilizing the Internet.

The proponents were also after the popularity in order to capture a significant market for Covelandia Du Labrador Family Beach Resort.