Online Billing and Reservation System for Lovely Resort

An Undergraduate Term Paper Presented to the Computer Science Department

> College of Science De La Salle University – Dasmariñas

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

> Jacob, Emylvin O. Gonzales, Joshua James T. Saria, Jan Andrei P.

> > February 2014

ABSTRACT

Technology is absolutely necessary when it comes to computing and accounting for business transactions and other documentations. It has transformed many aspects in life, including the way how people make reservations. Lovely Resort is using manual procedure for all their transactions which may cause problems. That is why the proponents decided to make an online and automated system. This kind of system is expected to promote the resort for more customers and make the system more accommodating for clients. All the information about the resort would be available on the internet and clients could browse it. The system would do all the computations and will have a database. User information is stored on the database, and all reservations made would also be stored. Transactions are stored in the database as well as the amenities that the client can reserve. The Admin has access to the database. The system will benefit the customer/clients as well as the

resort.

TABLE OF CONTENTS

TITLE PAGE	1
APPROVAL SHEET	2
CERTIFICATION	3
ACKNOWLEDGEMENT	4
ABSTRACT	5
TABLE OF CONTENTS	6
CHAPTERS	
1INTRODUCTION	
1.1 Background of the Study	9
1.2 Statement of Research Problem	11
1.3 Statement of Objectives	11
1.4 Significance of the Study	12
1.5 Conceptual Framework	15
1.6 Scope and Limitations of the Study	17
2 REVIEW OF RELATED LITERATURE	
2.1 Foreign Literature	18
2.2 Local Literature	22

PAGE

METHODOLOGY OF THE STUDY

Requirement Analysis	38		
System Design	28		
Program Design	29		
Coding	29		
Unit and Integration Testing	30		
System Testing	30		
Acceptance Testing	31		
Operation and Maintenance	31		
RESULTS AND DISCUSSION			
4.1 Project Description	32		
4.2 Project Structure	32		
4.3 Project Capabilities and Limitations	34		
4.4 Project Evaluation	35		
SUMMARY OF FINDINGS, CONCLUSIONS, RECOMMENDATIONS			
5.1 Summary and Findings	40		
5.2 Conclusion	41		

5.3 Recommendation 41

List of References

Unpublished Thesis	43

Online Sources 43

APPENDICES

EVALUATION FORM	44
(EXISTING SYSTEM)	
CONTEXT DIAGRAM	47
LEVEL – 0	48
(PROPOSED SYSTEM)	
CONTEXT DIAGRAM	50
LEVEL – 0	51
Child Diagram	52
Entity Relationship Diagram	56
Database Normalization	58
Screenshots	61
CURRICULUM	66