



ONLINE BILLING AND RESERVATION SYSTEM FOR  
JANET BALLELOS REST HOUSE

An Undergraduate Research Proposal

Presented to the Computer Studies Department

College of Science

De La Salle University – Dasmariñas

In Partial Fulfillment of the Requirements

For the Degree of Bachelor

Information Technology

By

Capili, Karlo M.

Martinez, Maria Therese Ann T.

Tarala, Leonardo I.

Naz, Sherry B.

Adviser

March 2013



**TABLE OF CONTENTS**

Title Page	i
Approval Sheet	ii
Certificate of Revision	iii
Acknowledgement	iv
Table of Contents	v
List of Appendices	vi
List of Figures	vi
Abstract	vii
1.0 Introduction	
1.1 Background of the Study	1
1.2 Statement of the Research Problem	3
1.3 Statement of Objective	5
1.3.1 General Objectives	
1.3.2 Specific Objectives	
1.4 Significance of the Study	6
1.5 Conceptual Framework	7
1.6 Scope and Limitations	8
2.0 Literature Review	
2.1 Local Study	9



2.2 Foreign Study	12
3.0 Methodology	17
4.0 Presentation of Results / Findings	21
5.0 Conclusions of Results/Findings	28

**List of Appendices**

**APPENDIX A**

DATA FLOW DIAGRAM – Existing System	30
-------------------------------------	----

**APPENDIX B**

DATA FLOW DIAGRAM – Proposed System	33
-------------------------------------	----

**APPENDIX C**

Entity Relationship Diagram	36
-----------------------------	----

**APPENDIX D**

Normalization	39
---------------	----

**APPENDIX E**

Evaluation	41
------------	----

**List of Figures**

Figure 1: The Conceptual Framework of the Study	7
Figure 2: The V – Model of the Study	18
Figure 3: Janet Ballelos Rest House’s Official Receipt	45
Figure 4: Janet Ballelos Rest House’s Brochure	46
Figure 5 & 6: Janet Ballelos Rest House’s Copy of Logbook	47 – 48

<b>Screenshots</b>	49 – 53
--------------------	---------



### Abstract

The research started with the question “Will an automated reservation system improve a resort house business that currently uses a manual reservation system?” As the study progressed the researchers found out that the automation greatly increases the efficiency of the reservation system in terms of computations, report generations and record keeping. Normally these activities were accomplished through pen and paper but with the advent of automation each activity gained their corresponding benefits. Computations became hassle-free due to the fact that the system does it for the company, record keeping became more secure because previously all records were kept in a logbook which is very prone to accidents such as being lost and can easily be tampered with by any un-authorized personnel but through the automation, records can only be accessed by those who are authorized and reports are generated in a breeze with the aid of the automated system keeping it accurate at all times. The online nature of the automated reservation system also gave the company a chance to advertise their services through the net which can greatly expanding their market. In conclusion, creating an online automated reservation system for the Janet Ballelos Rest House proved to gain them tons of advantages in different aspects of their business it also increased their efficiency and lessened their workload.