



De La Salle University - Dasmariñas



De La Salle University – Dasmariñas  
City of Dasmariñas  
COLLEGE OF SCIENCE  
Computer Studies Department

# Online Sales and Inventory System of Japanimation

An Information Technology Capstone Project

Presented to

The Faculty of the Computer Studies Department

College of Science

De La Salle University – Dasmariñas

In fulfilment of the

Requirements for the Degree of

**BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY**

By

Bobadilla, Jan Michael C.

Sariana, Mary Grace S.

Sebastian, Niel Bryan A.

Mr. Amiel G. Del Rosario

Adviser



## ABSTRACT

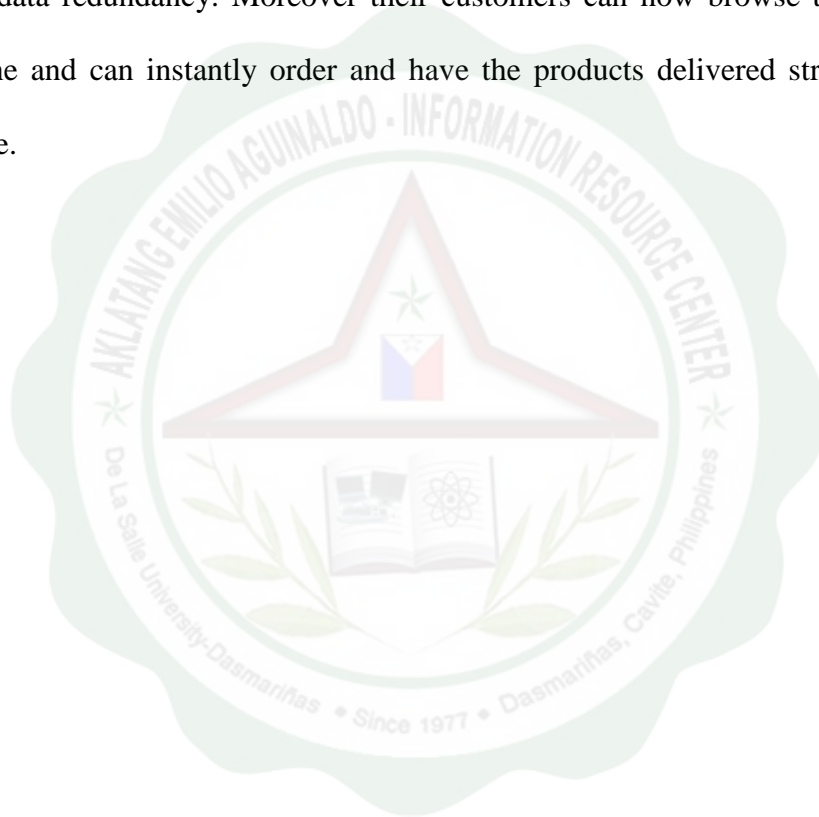
The existing system of Janimation includes handling all of its transaction processes using the traditional manual system. Data loss and data redundancy are the most common errors that they experience that lead to more serious problems such as financial loss and the trust of their loyal customers.

The development of an Online Sales and Inventory System is made to eliminate the problems that they encounter during transaction processes. Also, specific tasks can be more convenient than before both in the management and customer side.

During the development of the system, the proponents found more problems which include product monitoring and sales report generation. Producing sales report takes time because they are using Microsoft Excel as their database.



After developing the proposed system, the proponents have learned that the system can help solve the company's specific problems regarding sales and inventory. Managing and organizing of their products and having the required information stored in a secured database can answer their problems with data loss and data redundancy. Moreover their customers can now browse their products online and can instantly order and have the products delivered straight to their home.





**Table of Contents**

<b>Title Page</b>	i
<b>Acknowledgement</b>	ii
<b>Abstract</b>	iii
<b>Table of Contents</b>	iv
<b>Chapter 1 – Introduction</b>	<b>1</b>
Background of the Study	1
Statement of the Research Problem	3
Research Objectives	4
General Objective	4
Specific Objectives	4
Significance/Justification of the Study	5
Conceptual Framework	6
Scope and Limitations of the Study	7
<b>Chapter 2 – Literature Review</b>	<b>9</b>
Local Literature	9
Foreign Literature	12



<b>Chapter 3 – Methodology</b>	15
Requirements Elicitation	15
Acceptance Testing	16
Analysis	16
System Testing	17
Integration <a href="#">Testing</a>	18
Unit Testing	18
Component Design	19
Coding	19
Architectural Design	20
<b>Chapter 4 – Presentation of Results</b>	21
Project Description	21
Project Capabilities/Limitations	22
Project Evaluation	23



<b>Chapter 5 – Discussion of Results</b>	25
Summary of Findings	25
Conclusion	25
Recommendations	26
<b>Appendices</b>	
Appendix A: Conceptual Model	I
Appendix B: The V Model	II
Appendix C: Sample Forms	III
Appendix D: Entity Relationship Diagram	XI
Appendix E: Normalization	XIV
Appendix F: Data Flow Diagram (Existing System)	XVI
Appendix G: Data Flow Diagram (Proposed System)	XVIII
Appendix H: Screen Shots	XXI
Appendix I: Curriculum Vitae	XXVIII
Appendix J: Bibliography	XXXI