A Management Information System For Pawnshop Operations

An Undergraduate Special Problem
Presented To The Faculty of
Department of Mathematical Sciences And Computer Studies
College of Arts and Sciences

In Partial Fulfillment
of the Requirements for the Degree
Bachelor of Science in Computer Science

Concepcion, Melissa E.

March 1997

15 MAR 1997

AKLATANG EMILIO AGUINALDO

ABSTRACT

Name of Institution: De La Salle University - Dasmariñas

Address: Dasmariñas, Cavite

TITLE: A Management Information System For Pawnshop Operations

AUTHOR: Melissa Egana Concepcion

FUNDING SOURCE: Parents **COST:** 3,000

DATE STARTED: December 1996 **DATE COMPLETED:** February 1997

OBJECTIVES OF THE STUDY:

A. GENERAL:

The general objective of the study was to design and develop a computerized system for the loaning operations of selected pawnshop establishments in Bacoor, Cavite.

B. SPECIFIC:

The specific objectives were:

1. to reduce manual labor;
2. to adopt an effective means to ensure data integrity and security;
3. to generate reports needed by the business;
4. and to provide a user-friendly interface for the users.

SCOPE AND COVERAGE:

This system was made to provide a computer-based information system suited generally for selected pawnshop establishments in Bacoor, Cavite. This is a Management Information System that would help reduce daily manual work, and generate necessary reports that would somehow aid the users in summarizing or presenting information for further use by the business.

METHODOLOGY:

In order to make the proposed Management Information System, the author used seven distinct phases involved in the software development model, called Waterfall. They are the requirement analysis and definition, system design, program design, program implementation, testing, system delivery, and maintenance.

OUTPUT OF THE STUDY:

// This study developed a Management Information System for selected pawnshops in Bacoor, Cavite. With the aim of being used as a tool in pawning, this system is generally suited to handle the daily transactions common to pawnshop establishments and to produce necessary reports needed by the business.

The system provides modules which can somehow lessen the manual workload of the users. It also provides an organized keeping and retrieving of records. Data security and integrity were also ensured-up through the use of passwords and backing-up of files. //

CONCLUSIONS:

The author concluded that developing a computer-based information system, particularly for pawnshop stores can reduce manual labor through the easier entering and manipulation of data. Also, the integrity and security of information can be ensured through the use of password and backing-up of data. Automated generation of reports can also be achieved in developing such system. And lastly, an interface that helps the users to adjust to the system can also be accomplished.

RECOMMENDATIONS:

Time constraint was the biggest problem that the author had encountered. This hindered the writer to make the system more efficient and effective. That is, adding more features like the computerized generation of financial reports, and picture graphs which will graphically show the outputs and incomes of the business from time to time. These would help the managers in visualizing their business status.

She recommends that future proponents of this kind of study should know and understand the concepts used such as system design and analysis and software development. Through this, enhancements and further improvements of the system can be freely done.

MILAGROS EMILIO AGUINALDO - INFORMATION RESOURCE CENTER
De La Salle University-Dasmariñas • Since 1977 • Dasmariñas, Cavite, Philippines

TABLE OF CONTENTS

PAGE

APPENDICES

AKLATANG EMILIO AGUINALDO - INFORMATION RESOURCE CENTER
De La Salle University-Dasmariñas • Since 1977 • Dasmariñas, Cavite, Philippines

LIST OF FIGURES

AKLATANG EMILIO AGUINALDO - INFORMATION RESOURCE CENTER
De La Salle University-Dasmariñas • Since 1977 • Dasmariñas, Cavite, Philippines

LIST OF TABLES