

CENTRAL PHILIPPINE UNIVERSITY
School of Graduate Studies

INVENTORY SYSTEM OF
YASMIN'S CUTFLOWER & ORNAMENTAL GARDEN

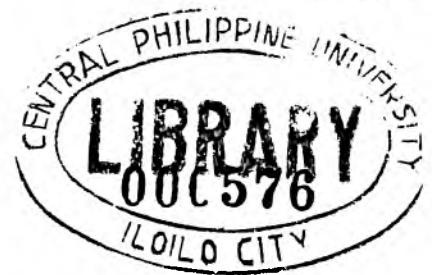
A Project Proposal Presented to
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GRADUATE STUDIES
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1.0 INTRODUCTION

1.1 BACKGROUND OF THE STUDY

The speed of computing business transaction nowadays is impossible to ignore, at a very tick of a clock, there are millions of transactions happening. Every organization needs to cope with this spell-bounding speed of information system in order to keep their roots intact. The current trend of rendering business transaction provides a larger and wider scope of business opportunities for those who are willing to cope with their trend. This trend makes information move faster and reliable than any of our ancestor three decades ago consider as technical genius.

Information has an important role in an organization by which it is considered to be one of the key resources, placed side by side with labor and raw material resources. It fuels organization and can be a critical factor in decision making that would determine the success and failure of a business. The information must also be used correctly in order to maximize its usefulness just as maximizing the usefulness of the other resources, technically, information generated by computer differs from the information generated manually. Information system is purposely created to serve the business needs, depending on the need of the particular business by using a computerized system.

Transaction Processing System or commonly known as TPS are computerized information that is developed to process large amount of data for routine business transactions. It is a computer-based version of manual organization system that tends to eliminate the tedium of necessary operational transactions and reduces the time once required to perform them manually, although people must still input data to

computerized system. The analysis and design of TPS means focusing on the firms and current procedures implies a careful tracking of data capture, flow, processing by speeding it up, using fewer people, improving efficiency and accuracy.

Transaction Processing System has many form, one of them is the Computerized Inventory System. A system that is designed to perform processes involved in, storing of items, billing of items sold, producing monthly reports, tracking of items and managing items. In order to meet technological advancement, inventory system is designed to render the services faster and more reliable. This technological advancement could give convenience to the employees and customers.

A fast growing business like selling of plants should need a little man power for its recording since it is a time consuming job and besides man power is most needed in the propagation and maintenance of the plants. An inventory system is a wise idea for this. Yasmin's Cutflower and Ornamental Garden is located at Brgy. Tiring, Cabatuan, Iloilo covering an area of 1.8 hectares.

The garden has many varieties of plants but it is most widely known for its amaryllis cutflower. The garden is mostly covered with the different types of amaryllis. Other parts are on bromeliads, philodendrons, dieffenbachias, dracaenas, orchids, ferns, syngoniums, sanseverias, crotons, euphorbias, palms, calatheas, aglonemas, dahlias, hibiscus, daisies, bougainvilleas, begonias, ti-plants, different varieties of hanging plants, succulents and cacti, cutflowers, landscaping plants, exotic plants and a lot more...

Up to the present, Yasmin's Cutflower and Ornamental Garden uses the manual methods in conducting their day-to-day business transactions. Due to future

expansion and the plan to open its own shop it would be difficult to keep track of the records, orders, reservations and the delivery of plants. For now, notebook recording is only practiced. This obsolete method of recording information leads to an inevitable loss of records, inaccuracy, and redundancy of files.

1.2 STATEMENT OF THE PROBLEM

This study therefore aims to answers the existing problems of Yasmin's Cutflower and Ornamental Garden. Based on the gathered data, problems that exist in the current inventory system were identified.

All transactions and recoding of orders, reservations and delivery are done manually. Due to this strenuous process, there is always an imprecise information recording and unreliable inventory of stocks. Plant prices are inexact because of the different varieties of plants and different sizes. The owner had a hard time naming, listing prices and inventory of each plant. Data redundancy, loss and inconsistency are likely to occur.

Difficulty in keeping track of inventory to maintain set stock limit for each plant is also another problem. Stock limit must be maintained in order to satisfy the needs of the customers. Landscapers order plants in volumes. To keep them as a regular customer you must provide sufficient quantity of plants that they need. Having a stock limit for each plant, you can easily track plants for propagation.

Another problem that exists is the inaccuracy and difficulty in keeping records of plant orders and amount of sales in each transaction. As a result of this, total

amount of sales cannot be determined and plant inventory is inaccurate. Monthly report of sales is not precise.

Difficulty in keeping track of reservations of customers is also one of the major problems encountered. At present, reservations are recorded manually. Data loss and incorrect marking out of dates occurs.

1.3 OBJECTIVES OF THE STUDY

1.3.1 General Objectives

The primary goal of this study is to create and develop an automated plants recording system that keeps track of records for all plants.

1.3.2 Specific Objectives

(1) To develop an automated keeping of plant record such as: Plant Entry and Pricing: Plant Code, Plant Name, Plant Type, Plant Price, Stock Limit and Plant Quantity. The purpose of this is to reduce data redundancy and give a precise information recording and reliable inventory of stocks. Data consistency is maintained in the database environment. Reports on the stock inventory will be generated at the owner's request.

(2) To develop an automated keeping of customers and suppliers record like: customer's/supplier's name, address, phone numbers, supplier's business name and address, and supplier's supplied items. For this reason, the owner will have no difficulty knowing and contacting regular customers and suppliers. Easy access of customer's and supplier's records will be provided.

(3) To develop automated plant records of reorder list. The purpose of this is to satisfy the needs of customers. Reorder list is the maintained list of quantity of plants that are needed for stock inventory. Having a stock limit for each plant, you can easily track plants for propagation. In this way you can provide customers with sufficient quantity of plants that they need.

(4) Automate the list of plants available for sale and develop a transaction processing system. Because of this, inventory of plants will be automatically updated and monthly sales report will be generated. The data will be consistent and precise for all applications.

(5) Build up an automated reservation system. This will benefit both the owner and the customer. Reservation of plants and cutflowers will be stored and easily accessed. Customers will be provided with good service. Orders will be supplied and granted at each customer's request. If there is a full reservation or shortage of cutflowers, customers will be informed at an instant.

(6) Develop an additional library database for different plants that gives information such as: Plant name, Plant scientific name, Family, Place of origin, Plant Propagation, Soil Mixture, Water Mixture, Flowering Period, Light, and Plant Usage. This is a useful tool for the owner as well as for the customers. Information concerning the scientific facts, different ways of propagation, correct environment and proper care for the plants will be easily stored and accessed.