# Macapagal General Merchandise:
# A Monitoring and Point-of-Sales System (POS) Per Product Suggested Retail Price (SRP).

Submitted to:

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# Chapter 1

## Introduction

For many years, the sari-sari store has been a staple to the Filipino community. However, with the passage of time and with industrialization, it became obsolete and difficult to handle manually.

This study intends to develop a system that will assist Macapagal Sari-sari store in developing a point-of-sale system to help them monitor money flow and determine how each product can be more profitable by recommending a retail price for each item.

## Background of the Existing System

Macapagal Sari-sari store does the traditional way of everything, from being a simple legacy inherited as an effective business of a small retail store to the simple way of manual computations to get the profits for a day.

Imagine a sari-sari store as a simple but effective way of business, but being simple comes with multiple problems too such as its limited scalability to the business. As the volume of the income increases, numbers of human errors' such as inaccuracy increases, and it has a fatal effect in calculating profits that can lead to financial loss or in the worst case scenario is bankruptcy. The time consumed will be a hassle too as the efficiency in computation will lack for the computation will be a time consuming job and it is a hindrance on the store's productivity.

Another problem of manual technology is for record keeping purposes. Keeping track of sales of the day won't be that much considered as it isn't that much necessary for a small business or in other words, lack of analysis. Analysis would be beneficial as keeping track of the sales records can be used as an advantage in optimizing and maximizing the profits.

## Objectives of the Study

1. Determine how a point-of-sale system can be used in a traditional retail store.
2. Make the system for the store.
3. Make a database for each merchandise that the system will use.

## Significance of the New System

**Customer:** The new system is very important for a customer because they will be able to afford a product from the sari-sari store.

**Sari-sari store:** The new system is significant for a sari-sari store because they will be able to see the real-time flow of their money and profit from their products at the recommended retail price.

**Future Programmers:** The new system can be the start and foundation of what the future people who will work on the new system. It would help them to see what lacks in this system so they can update it.

## Feasibility of the System

### Operational

Both user needs and management considerations are made. User resistance can, therefore, without a doubt put risk in the system's availability. Optimizing computing resources and enhancing system performance are both guaranteed by a well-planned design.

### Technical

This system will speed up business processes because it is flexible and will accomplish objectives for the growth of the company. Increasing sales and improving client satisfaction are two of our system's main objectives. The seller, who is our client, checks and develops the product development updates. It is expected that the new

systems' users will accept them if sales and usability improve. The present business model will benefit from the system.

**Familiarity with Application**

There is low risk. Because they are knowledgeable about web development and technology, the project team is familiar with the application.

**Familiarity with Technologies**

Many people have become familiar with internet retailers thanks to social networking platforms since the pandemic began. So, they are already familiar with these characteristics. The system will also be less dangerous for developers and consumers as a result. The project team should be familiar with the website and the Internet since the system is being developed online. Additionally, the equipment and software used in the construction of this system are current.

**Economic**

Project Size:

- The project size is considered low risk
- The project team only consists of 4 people
- The business owner’s involvement is required.