**Library Management System**

A system presented to: Dr. Myra G. Flores

In partial fulfillment of the requirements for

Object Oriented Programming Subject

Presented by

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**A. Introduction**

The Library Management System Program is designed to make book management easier and more efficient. Libraries play a crucial role in providing access to a vast array of information and resources. However, managing a library's collection, membership, and transactions can be confusing, time-consuming and prone to errors. The Library Management System Program aims to address these challenges by leveraging the capabilities of VB.NET, a powerful programming language, to create a user-friendly and feature rich system.

**B. Objectives**

The objectives of this program is the efficient use of **“Library System Management Program”**, when performing the following:

1. Efficient Book and Resources management.
2. To provide a positive experience with a user-friendly interface.
3. Minimize errors and workload with Automate repetitive tasks.
4. Ensure that the system can handle an increasing amount of users, resources, and transactions.

**C. Statement of the problem**

This part of the paper contains the general problems that we like to solve such as:

1. Data Accuracy and Integrity.
2. System performance when vast amounts of data is stored.
3. Difficulties in integrating data between different systems.

**Program Flow**

**A. Data Flow Diagram**

**B. Use Case Diagram**