

A COMPUTERIZED LIBRARY MANAGEMENT SYSTEM

CASE STUDY: JOHN PAUL SECONDARY SCHOOL

BY

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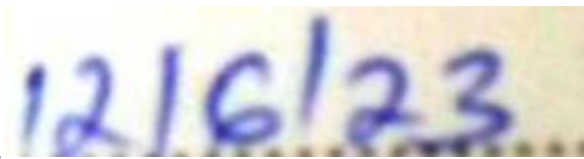
Declaration

I, Watsemba Sharon declare that this research project is my original work and it has not been presented by any other person of higher learning for any academic award.

Watsemba Sharon



Signature.....



Date.....

Supervisor Approval

This research project was entitled “A Computerized Library Management System” was conducted and written under my supervision.

Mr. Angole Richard



Signature.....



Date.....

Dedication

I dedicate this work to my parents and my supervisor for all the love, understanding, encouragement, material and moral support without whom my project would not have been a success.

Acknowledgement

First I would like to acknowledge the divine presence of the Almighty God whom this research would not have been a success. His love, care, protection, comfort, supports and provision is just overwhelming. All the glory belongs to Him.

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TABLE OF CONTENTS

Contents

| | |
|---|----|
| Declaration..... | 2 |
| Supervisor Approval..... | 3 |
| Dedication..... | 4 |
| Acknowledgement..... | 5 |
| TABLE OF CONTENTS..... | 6 |
| TABLE OF FIGURES..... | 9 |
| ABSTRACT..... | 10 |
| CHAPTER ONE: INTRODUCTION..... | 1 |
| 1.1 Background of the study..... | 1 |
| 1.2 Problem statement..... | 1 |
| 1.3 Objectives..... | 2 |
| 1.4 Scope of the study..... | 2 |
| 1.5 Significance of the Study..... | 2 |
| CHAPTER TWO: LITERATURE REVIEW..... | 4 |
| 2.0 Introduction..... | 4 |
| 2.1 Library..... | 4 |
| 2.2 Information System..... | 4 |
| 2.2.1 Information Management System..... | 5 |
| 2.2.2 Library Management System..... | 6 |
| 2.3 Database..... | 6 |
| 2.3.1 Database Management System (DBMS)..... | 7 |
| 2.4 Development of Library Management System..... | 7 |

| | |
|---|----|
| CHAPTER THREE: METHODOLOGY | 9 |
| 3.1 Introduction..... | 9 |
| 3.2 Area of Study | 9 |
| 3.3 Study Population..... | 9 |
| 3.4 Study Sample | 9 |
| 3.4.1 Sampling Methods | 10 |
| 3.5 Data Collection Methods | 10 |
| 3.5.1 Primary Data | 10 |
| 3.5.2 Secondary Data | 11 |
| 3.6 Data Analysis and Presentation of findings | 11 |
| 3.7 System Design | 12 |
| 3.7.1 Entity Relationship Diagram..... | 12 |
| CHAPTER FOUR: FIELD STUDY AND SYSTEM DESIGN | 15 |
| 4.0 Introduction..... | 15 |
| 4.1.1 Strength of the Current System..... | 15 |
| 4.1.2 Problems of the Existing System | 15 |
| 4.2 Requirement Specification..... | 16 |
| 4.2.1 Functional Requirements | 16 |
| 4.2.2 Non-Functional Requirements | 16 |
| 4.3 System Design | 16 |
| 4.3.1 Architectural Design | 16 |
| 4.3.2 Context Flow Diagram..... | 17 |
| 4.3.3 Data Flow Diagram..... | 17 |
| 4.3.4 Entity Relationship Diagram (ERD)..... | 18 |
| 4.3.5 Use Case Diagram..... | 19 |
| 4.3.6 Use Case Tables | 20 |
| CHAPTER FIVE: TEST AND IMPLEMENTATION OF THE SYSTEM | 22 |
| 5.0 Introduction..... | 22 |
| 5.1 Home Page..... | 23 |
| 5.2 Login In..... | 24 |
| 5.3 Add Member | 25 |
| 5.4 Add Book | 25 |

| | |
|---|-----------|
| 5.5 Borrow Book..... | 26 |
| CHAPTER SIX: DISCUSSION, CONCLUSION, RECOMMENDATION LIMITATIONS AND FUTURE WORK..... | 27 |
| 6.1 Discussion..... | 27 |
| 6.1.1 Determination of Requirements..... | 27 |
| 6.1.2 System Design..... | 27 |
| 6.1.3 System Implementation..... | 27 |
| 6.1.4 System Testing..... | 27 |
| 6.2 Conclusions..... | 27 |
| 6.3 Recommendations..... | 28 |
| 5.4 Limitations..... | 28 |
| REFERENCES..... | 29 |
| APPENDICES..... | 31 |
| Appendix A: System Sample Codes..... | 31 |
| Appendix B: Interview Guide..... | 35 |
| Appendix C: Questionnaire..... | 36 |

TABLE OF FIGURES

| | |
|---|----|
| Figure 1: Context Diagram | 17 |
| Figure 2: Data Flow Diagram..... | 18 |
| Figure 3: ER Diagram..... | 19 |
| Figure 4: Use Case Diagram | 20 |
| Figure 5: Home Page | 24 |
| Figure 6: Screenshot for Login | 24 |
| Figure 7: Screenshot for Add Book | 26 |
| Figure 8: Screenshot for Borrow book..... | 26 |

ABSTRACT

For many years, institutions such as secondary schools and colleges have used the file based manual system to manage library use. Whereas this was quite effective for some time, due to the expansion of the library and the increase in the number of the library users such as students, the system wastes a lot of time especially when searching for a particular book or resource. In response to this problem, more librarians have been added and this has increased the costs of managing the library. This inefficiency, led to the study that was aimed at automating the booking keeping function of the library.

As study was carried out at John Paul SS and it was discovered that the manual system had inefficiencies ranging from time wastage, high cost of operation in terms of human resources, long search time and data redundancy among others.. a computer based LMS was developed using notepad. This new system allows the users to add books into the system, search for books from the system database, track member information, managing borrowing among others.

By automating library operations, the school will enjoy the advantages of using databases and transaction processing systems.

CHAPTER ONE: INTRODUCTION

1.1 Background of the study

Library management has been a great challenge to most schools. This is because most of the work is being done manually which is time consuming and also so tedious for those managing it. The increased number of library users in John Paul secondary school has put more pressure on library use which is difficult to be handled manually hence the need for the computerized library management system which help in reducing such work load for the librarians as well as the library users.

In the manual library system, pens and black books are made use of for tracking records of whoever visits the library. Just in case the student wants to borrow a book or any reading material from the library, his/her records such as name, registration, class, among others is entered into the book. In addition for proper handling of the borrowed books, the details such as the book title, author, and edition among others have to be entered into the book. This kind of system consumes a lot of time in recording the many students and staffs that visit the library and also wastes a lot of space for keeping the record of books since this information has to be kept safe for future use. Since the system is time consuming, it narrows the learning process of the learners. Also some students may fail to take back the borrowed books there by leading to loss of the learning materials.

The Computerized Library Management System enables a fully computerized library services and will be a web based application where only registered users will have access to the system. LMS will be developed to ease the task of entering the records of new book and retrieving the details of books available in the library, the transactions of books and the details of the book holders.

1.2 Problem statement

Currently, John Paul Secondary School uses the manual mode of library management where by the records of all the library users are recorded manually using pen and paper. When students enter the library to access the library materials, they have to search for them from the shelves.. When a student wants to borrow a book, he/ she goes to the counter of the reference section and requests for the book from the librarian. If the book is available he/she records the details of the

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