A Project Report

On

Bookshop Inventory System

A project submitted in partial fulfillment of the requirement of

Project I [Code No: BIT 106 CO]

Of

Bachelors of Information Technology-I Semester

Submitted To:

School of Science and Technology

Purbanchal University

Biratnagar, Nepal

Aryan School of Engineering and Management

Mid-Baneshwor, Kathmandu

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[Code No: BIT 106 CO]

A Project submitted in partial fulfillment of the requirement for Degree of
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Supervisor

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ABSTRACT

Bookshop Inventory System is a project which is used to find books available in the book shop or store. When a customer comes to the bookshop or store and asks for the book, he/she wants, with the help of this system and you (Bookkeeper) can easily find the book according to the customer. A customer is required to give author name, title, publisher name of the book he/she wants. After entering the data given by the customer, the system will tell you (Bookkeeper) whether the book is available in the store or not.

Keywords:

Bookkeeper: a person who keeps as well as sells book to the customers.

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CHAPTER 1: INTRODUCTION

1.1 Background

Bookshop inventory system is a system which can be used in bookshop or bookstore. Bookshop inventory system is a system designed to store details of books in bookshop or bookstore. Bookshop Inventory System is a system which maintains inventory of books in a bookshop or bookstore. It will make you easy to find books with its title, writer and publisher. [1]

1.2 Problem statements

As people come in bookshop, finding books will be hard for shopkeeper. Finding books fast will not be easy for shopkeeper. Only some bookshops have this system whereas others don't.

Major problems we find in bookshops or bookstore are:

- Books in the bookshops or bookstore are not arranged properly.
- Bookkeeper does not know whether the book ordered by the customer is available in the store or not until they check the whole store.
- The customers have to wait for 2-3 days for the book they wanted until they find in other bookshops or bookstores.

1.3 Objectives

Main objectives of our project are:

I. To save bookkeepers time and energy to search books.
II. To run bookshop in systematic way.

1.4 Applications

This project is made to make bookshops much better then past. This project is or will be applicable in every bookshop or store.

1.5 Project features

Prime features of this project include:

- File: Use of file handling to take details of books title, writer, publisher etc.

1.6 Feasibility Analysis

1.6.1 Economic Feasibility

This system is not costly as other systems. This system will save time as well as salary for employees because this system will make searching books easy. So, less employees will require in bookshop.

1.6.2 Technical Feasibility

This system is technically feasible in several ways. It is developed by using a number of readily available C programming. This system is made use of Dev-C++.exe application

1.6.3 Operational Feasibility

Operational feasibility evaluates whether a system is relevant to operate in a particular environment. Bookshop Inventory System presents a small number of features making it operationally feasible. This system is easy to use. To use this system the person must have little knowledge about C programming.

1.7 System Requirement

1.7.1 Software Requirement

For the program to be run, the set of following software must be prepared with the following specification:

- Microsoft-Disk Operating system, window 7, window 8, window 10
- Dev-C++.exe application

1.7.2 Hardware Requirement

For this program to be run, the computer hardware must be prepared with the following specifications:

- 500 MB RAM
- Pentium series

CHAPTER 2: LITERATURE REVIEW

Most of the books are searched manually in Nepal. Before, bookkeepers had to search manually in his/her store or shop and customer has to wait for more minutes because the bookkeeper cannot remember where he/she kept the book, the customer wanted, in the his/her store or shop. After the searching the whole store manually and bookkeeper cannot find the book, more time has been wasted for both bookkeeper as well as for the customer. after not finding the book customer had to give the information about the book, he/she wanted and bookkeeper had to write it manually in a paper and customer had to wait for 1-2 days so that the bookkeeper can bring the book in the shop or store that customer ordered. [2]

So, our system becomes useful in the bookstore or shop as it saves time a lot. Bookkeeper will able to bring books in time for the shop or store. Our system will be freely available to the bookshops or store. [3]

CHAPTER 3: METHODOLOGY

The program has following options to enter:

- Feed Data
- Edit Data
- Show Data
- List Book
- Search Book
- Exit

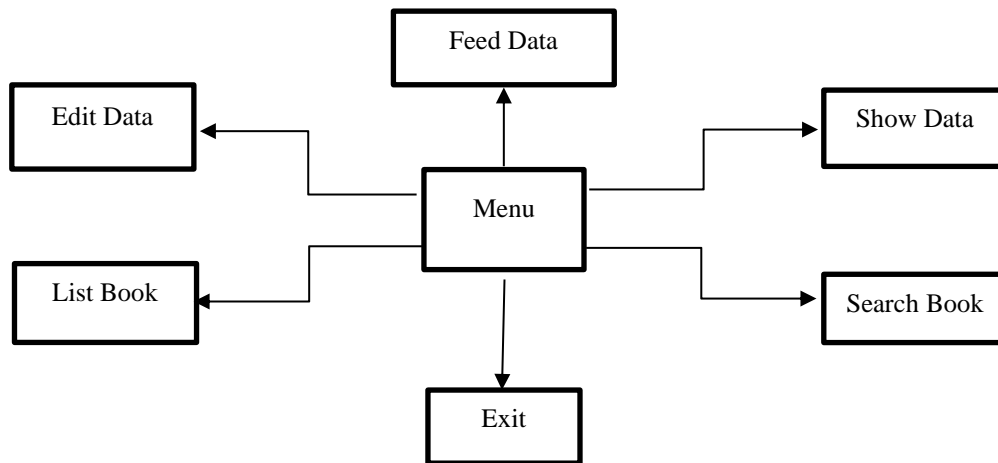## 3.1 System Block Diagram

Figure 3.1 System Block Diagram

3.2 Algorithm

Step 1: Start

Step 2: Prompt and Read Username and Password

Step 3: Display available options

Step 4: switch(choice)

Step 5: if choice = M

Step 6:   Display Menu Options

Step 7:   switch (menu choice)

Step 8:   if choice = 1

Step 9:   read book_id, book name, book_title, book_publisher

Step 10:   store book_id, book_name, book_title, book_publisher
in data file

Step 11:   else if choice = 2

Step 12:   read book_id

Step 13:   read new_book_name, new_book_title,
new_book_publisher

Step 14:   store in datafile

Step 15:   else if choice = 3

Step 16:   read character from data file

Step 17:   print character

Step 18:   else if choice = 4

Step 19:   read details

Step 20:   else if choice = 5

Step 21:   read bookdata to search

Step 22:   if bookdata = bookdata_in_file

Step 23:   display book_data_in_file

Step 24:   else

Step 25:   display "Bookdata not found"

Step 26:   else if choice = X

Step 27:   go to End

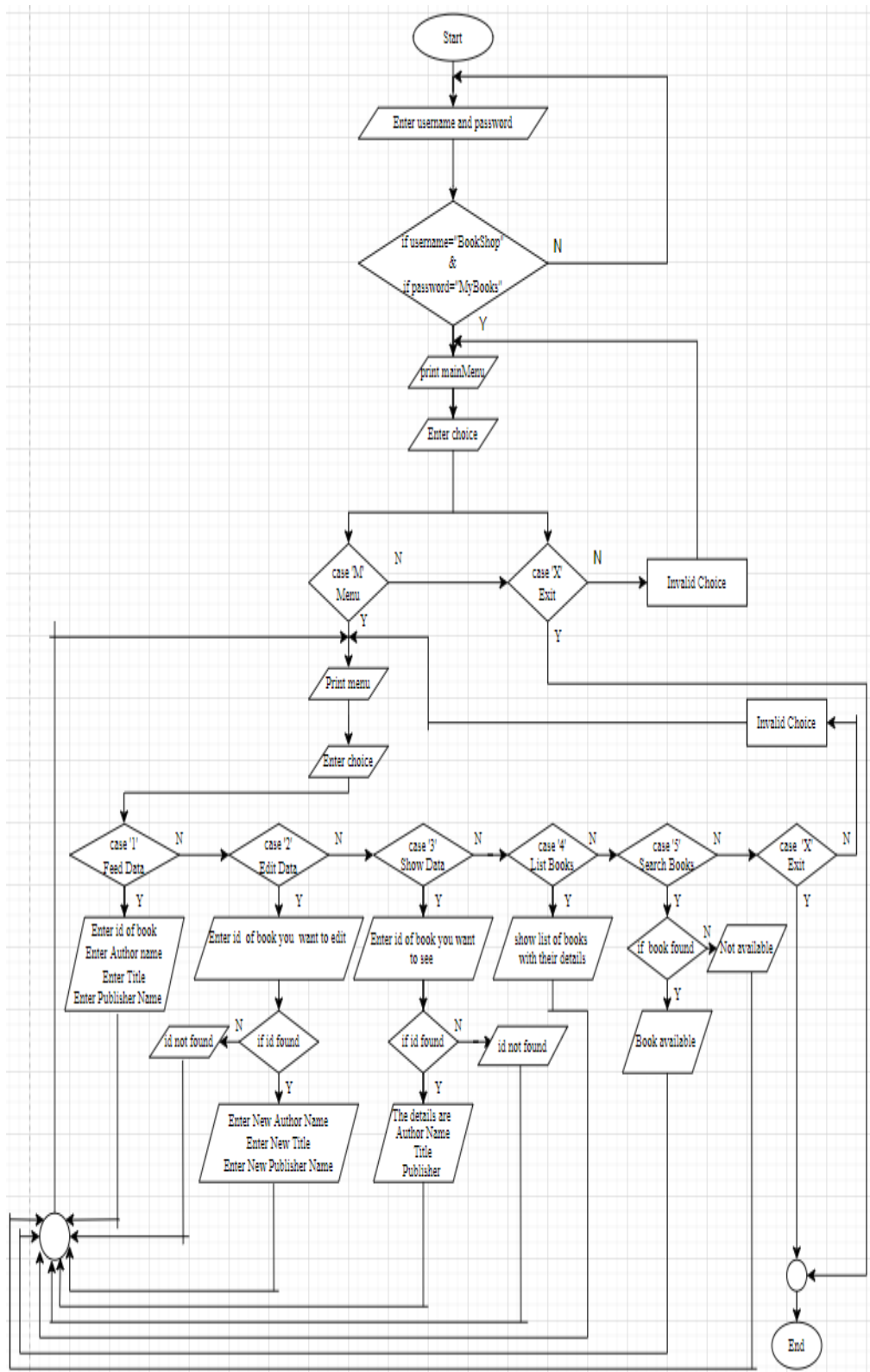Step 28:   else

Step 29:   End

3.3 Flowchart

Figure 3.3 Flowchart for bookshop inventory system

CHAPTER 4: RESULT AND DISCUSSION

4.1 Output


```
###############################
#            Menu             #
#         1 Feed Data         #
#         2 Edit Data         #
#         3 Show Data         #
#         4 List Book         #
#         5 Search Book       #
#         X Exit              #
###############################
Choose any option from above:
```

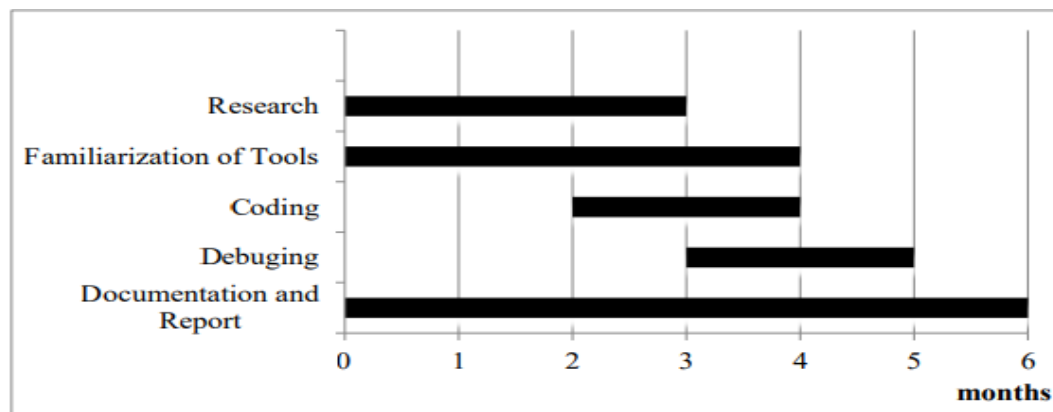Figure 4.1 Expected Output

4.2 Work Schedule

Figure 4.2 Gantt chart

CHAPTER 5: CONCLUSION AND FUTURE ENCHANCMENT

5.1 Conclusion

In conclusion, we can see that the system that we developed will bring a lot of benefits for bookkeepers. Books can be easily be found in the store or bookshops. By using this system, it will be more efficient and effective for the bookkeepers since the process of finding book and about its information becomes faster and easier. All the data and information recorded into the system will be save and easy access only for the bookkeepers. In addition, it is easy for the bookkeepers to do their work. Finally, it will lead to a better and comfortable environment for the user (owner of the shop).

5.2 Future Enhancement

- We can make it further more useful by making this system online.
- We can make it available with more features like price of books, stock etc.
- We can make it available for library as well.