Library Management System

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Group – H

INTRODUCTION

* A library management system, also known as an automated library system is software that has been developed to handle basic housekeeping functions of a library.

* It's a well organized software solution for a library.

* It help to provide information on any book present in library to the user as well as staff member.

* It keeps a track of book issued, returned and added to library.

SCOPE OF PROJECT:

* To make the existing system more efficient.

* To provide a user friendly environment where user can be serviced better.

* Make functioning of library faster.

* Provide a system where the library staff can catch defaulters and not let them escape.

* To minimize the loss done to books.

REQUIREMENTS:

* The Library Management System shall be required to maintain information about its users and books.

* It shall store databases for students, teachers and books.

* The student database stores information about a student's roll no, name, address, course and year.

* The book database stores information about a book title, author, publisher, cost, bill number, year of publishing and pages.

* The teacher database stores information about a teacher's id, name, department, designation, address and telephone number
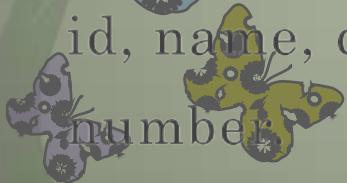
PROJECT AIM AND OBJECTIVE

* To eliminate the paper work in library.

* To record every transaction in computerized system so that problem such as record file missing won't be happen.

* To design a user friendly graphical user interface which suit the user.

* To save the cost and time.

TASK OF LIBRARIAN

- Log In
- Add New Member
- Update/Delete Member
- Add a Book
- Update/Delete Book
- Search For a Book
- Check In Book
- Check Out Book
- Pay Late Fee
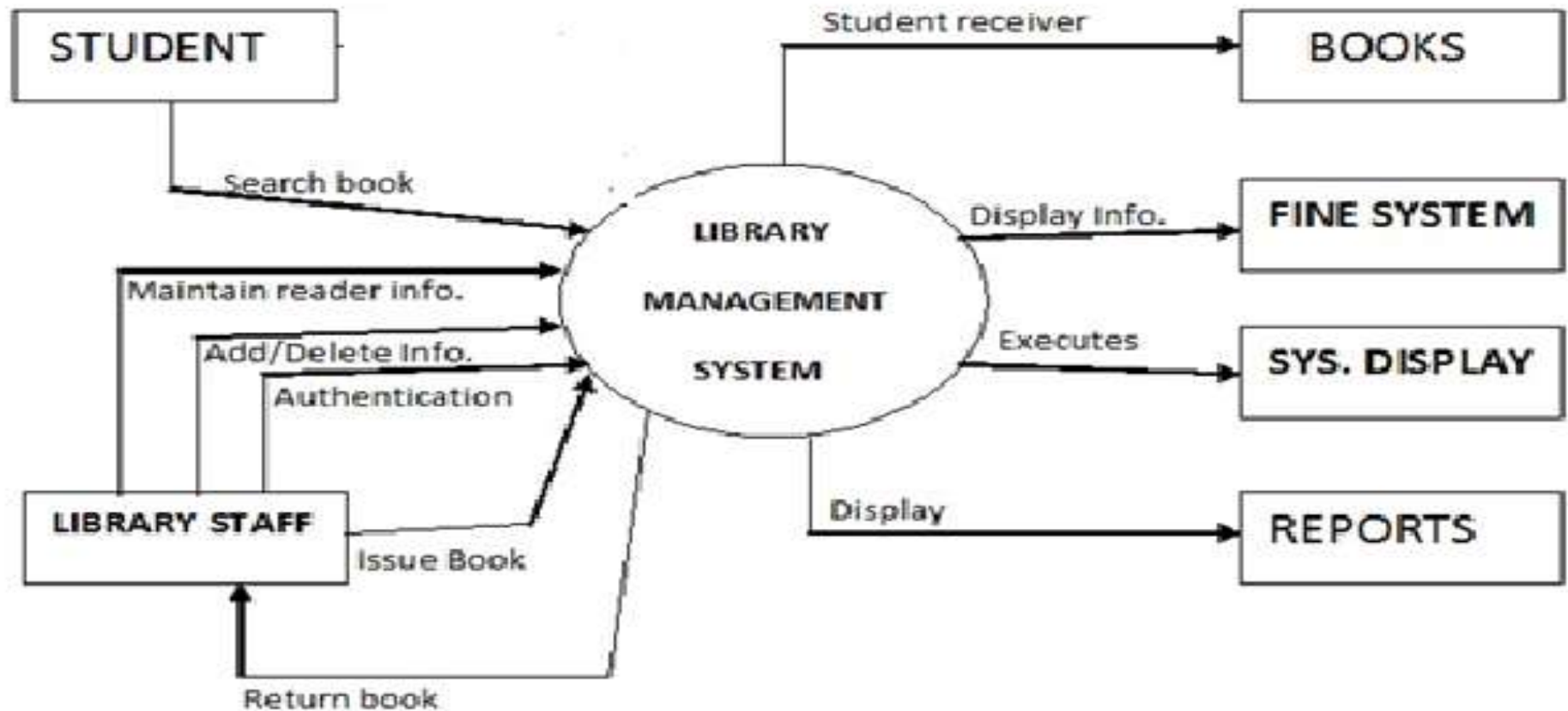- View Book Detail
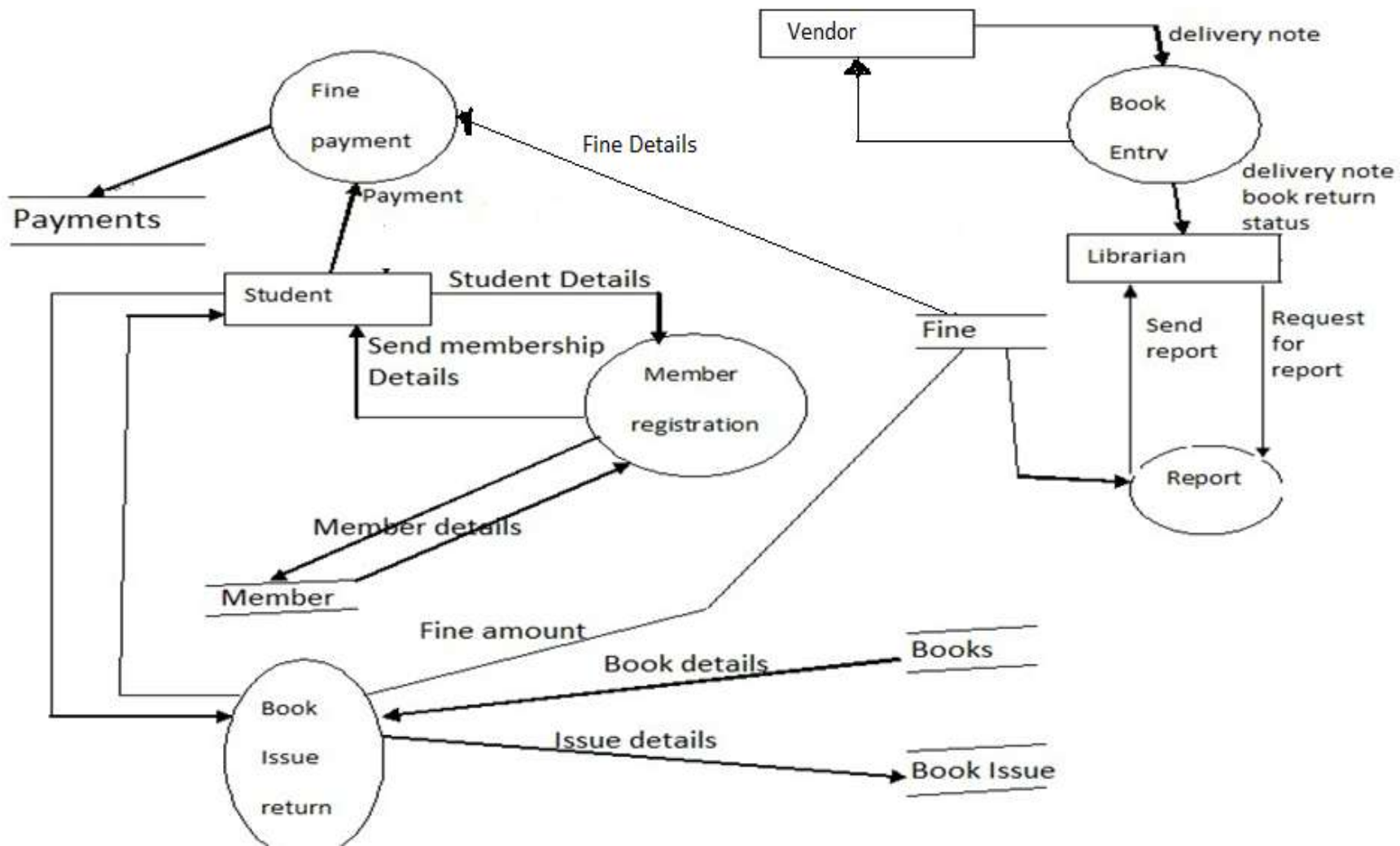- View Member Detail
- Search For a Member
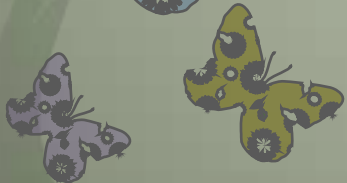
DATA FLOW DIAGRAM

* A data flow diagram(DFD) is graphical representation of the "flow" of data through an information system.

* A DFD shows what kinds of information will be input to and output from the system.

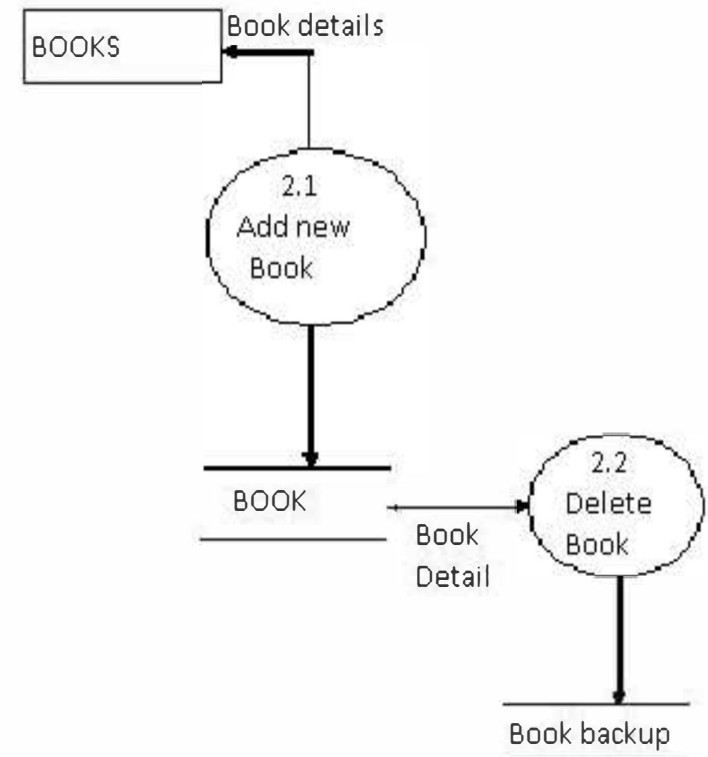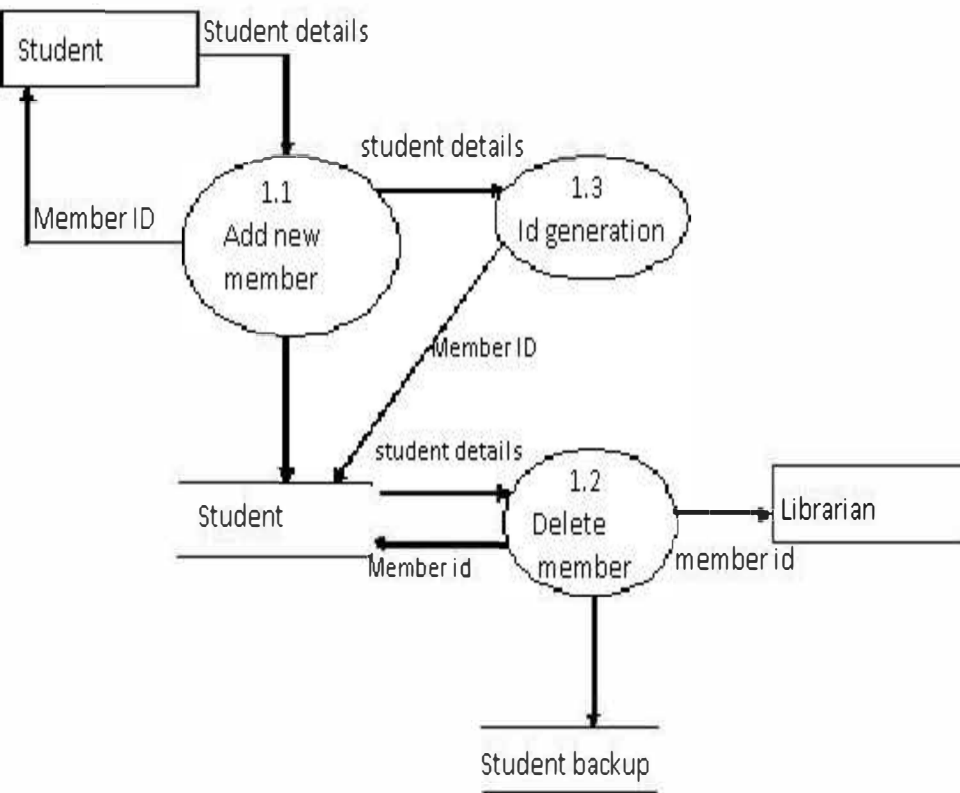* One of the most widely used system analysis process models is the data flow diagram.
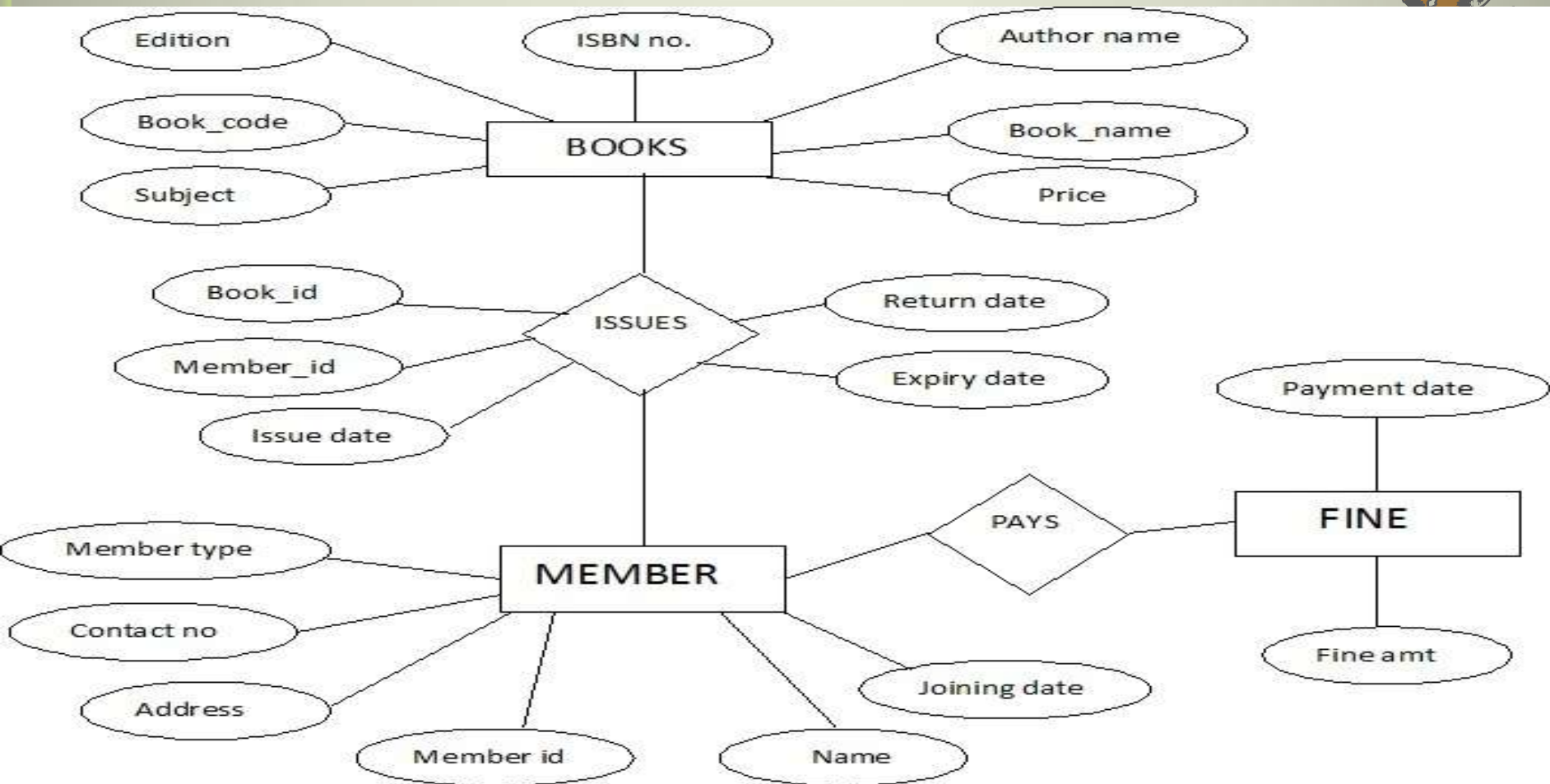
CONTEXT LEVEL DFD
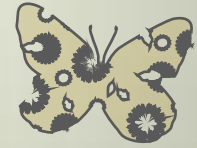
0 LEVEL DFD

1 LEVEL DFD

ENTITY RELATIONSHIP DIAGRAM

MODULES

* LOGIN
* SIGNUP
* BOOKS
* BOOK SEARCH

SYSTEM CONFIGURATION

1.HARDWARE CONFUGRATION:-

- ➢ PROCESSOR : PENTIUM IV 3.0 GHz
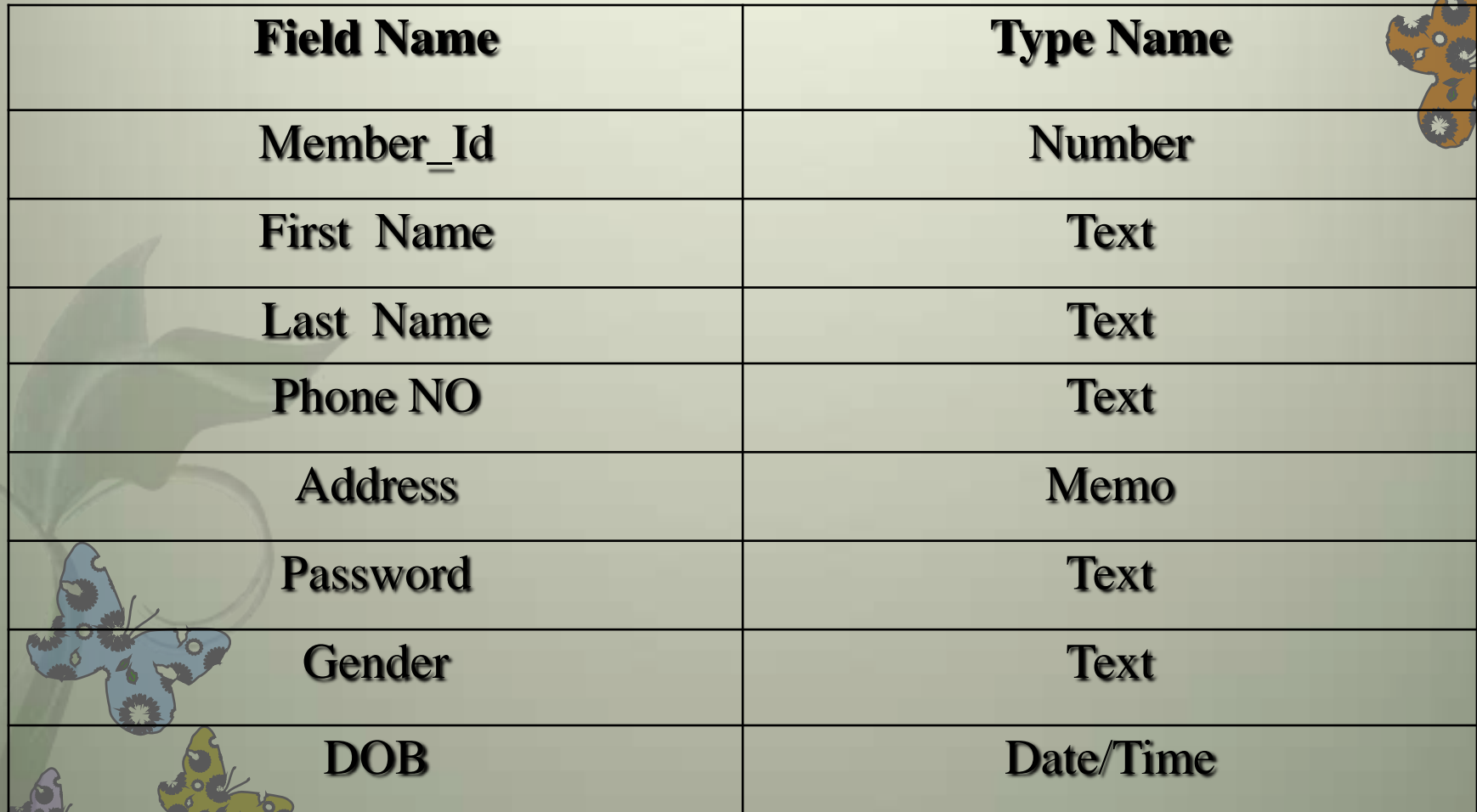- ➢ MEMORY : 256 MB RAM
- ➢ HARD DISK : 40GB

2.SOFTWARE CONFUGRATION:-

- ❖ INTERFACE : ASP
- ❖ DATABASE : MS ACCESS
- ❖ PLAT FORM : WINDOWS 7

DATA BASE DESIGN

TABLE NAME: MEMBER

Field Name	Type Name
Member_Id	Number
First Name	Text
Last Name	Text
Phone NO	Text
Address	Memo
Password	Text
Gender	Text
DOB	Date/Time

TABLE NAME: BOOK

Field Name	Type Name
ACC_NO	Number
Book Name	Text
Author Name	Text
Publisher	Text
Price	Currency
Edition	Text
Subject	Text
Branch	Text
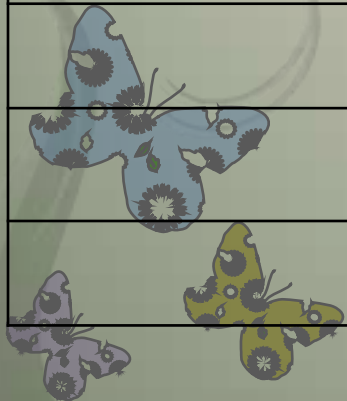
TABLE NAME: PAYMENT

Field Name	Type Name
Member_Id	Text
Amount	Currency
Payment_Date	Date/Time
Payment_Type	Text

TABLE NAME: ISSUE_RETURN

Field Name	Type Name
ACC_NO	Text
Member_Id	Text
Date_Issue	Text
Date_return	Text
Expire_Date	Text

SCREEN SHOTS

IF YOU ARE NEW USER JUST SIGN UP

Signup

First Name

Last Name

Password

Confirm Password

DOB

E-mail

User Type | Student

Contact No

Address

Gender   MALE

Submit

LIBRARY ISSUES AND RECEIPT

IF YOU ARE NEW USER...

Login

Log In to Your Account

E-mail :

Password :

[Login]

Select Book from following ...issue

BOOK Issue

SELECT BRANCH : CS ▾

SELECT BOOKS : MDA ▾

Submit

Update Books

Book Details

Book Name		Author	
Publisher		Price	
Edition		Rack Number	
Branch CS ▼		Subject Account ▼	

Submit

PROJECT OUTCOME

* To make the existing system more efficient.

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* Make functioning of library faster.

* Provide a system where the library staff can catch defaulters and not let them escape.

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CONCLUSION

The system has been developed using ASP and MS access , the system was able to process and update the database with more ease. It helped in developing a total integrated system.

      Thus the project **"LIBRARY MANAGEMENT SYSTEM"** can be altered in accordance with the future requirements of the organization.

thank you