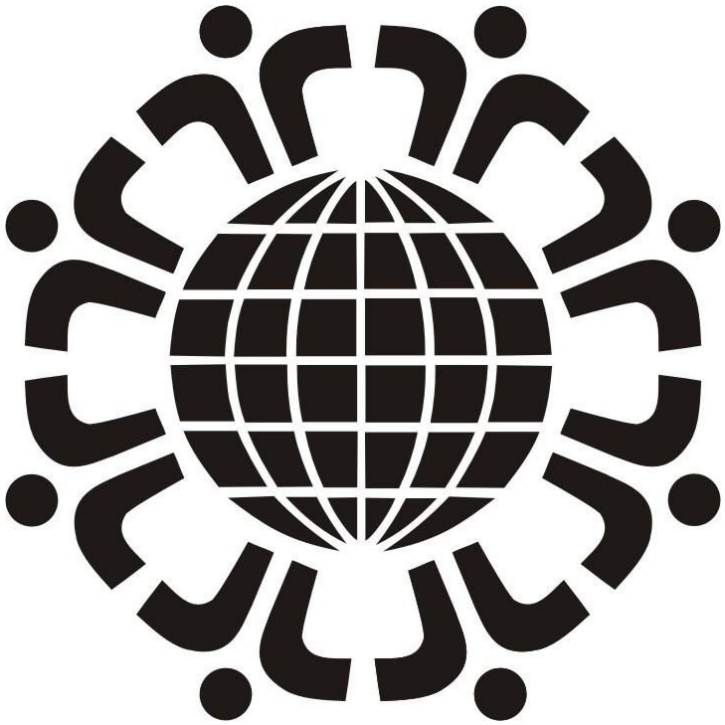
Online Library Management System



DBMS PROJECT

Abstract

Manual process of keeping student records, book records, account details, managing employee is very difficult. There are various problems also faced by the student in library such as finding any particular book, information whether book is available or not, for what time this book will be available, searching of books using ISBN number etc. To eliminate this manual system, library management system has been developed. Library Management System will handle all the current issues faced by the students and by its admin personnel.

To store all the information in the database from where user will place their query and get the results on the basis of their query. Only valid users will be able to access this Library Management System. Through this Library Management System it will be easy to manage accounts and various details of particular student and employees working under library along with the records of book.

The current Library Management System does not eliminate the process of searching books within the library campus. Students have to find books manually. They have to wait until they are not provided with their library card and token. For receiving book they have to show their library card and wait in line for their turns. The admin personnel also have to look manually on which day which person will take the charge within library to manage the overall work.

OVERVIEW

This Library Management System will have login page from where its user can access. This page will provide login for admin, working staff members and the students. Staff members accounts will be manage by the admin. To access the library resources students have to register by using their registration number, email address, phone number, class roll number and password. After successful registration they will be provided the login facility.

Students can search books by using book ISBN number or by author name or by title of book along with author name. After completion of this process students will be provided with book details such as where it is located by using location number and by their row and column number.

If any student has lost their book, then this should be informed to library working staff member where they can made changes to their account and take appropriate actions such as fine.

Admin will able to add staffs, delete staffs, add students, delete students, add books, manage account details, schedule working time table etc.

For receiving book from the Library Management System students have to use their bard code card and provide to the staff members where they will scan their card and add particular book into their account. If any student does not clear their previous dues then it will display a message of defaulter and last date to submit their dues.

The **purpose** of this application are as follows :

• The software is for automation of library.

• It provides following facilities to

Operator:

• Can enter details related to a particular book.

• Can provide membership to members.

Admin:

• Can read and write information about any member.

• Can update, create, delete the record of membership as per requirement and implementation plants.

Scope:

The different areas where we can use this application are

• Any education institute can make use of it for providing information about author, content of the available books.

• It can be used in offices and modifications can be easily done according to requirements.

Technology Used

Front End:

- HTML
- CSS
- Java script

Back End:

- MySQL
- Php
- Apache Server

Project is related to library management which provides reading services to its members. Any person can become a member of the library by filling a prescribed form. They can get the book issued, so that they can take home and return them.

Functionality:

• Online membership

• Keeps the track of issues and submission of books

Data Tables

Table: Members

S.no.	Coloum Name	Data Type	Length	Description
1	Id_no	Text	50	Unique identification of the members
2	Name	Text	70	Name of members
3	Address	Text	100	Location of Members
4	Date of Issue	Date/Time		Date of Registration
5	Date of Expiry	Date/Time		Registration expiry date
6	Status	Text	50	Permanent/Temporary

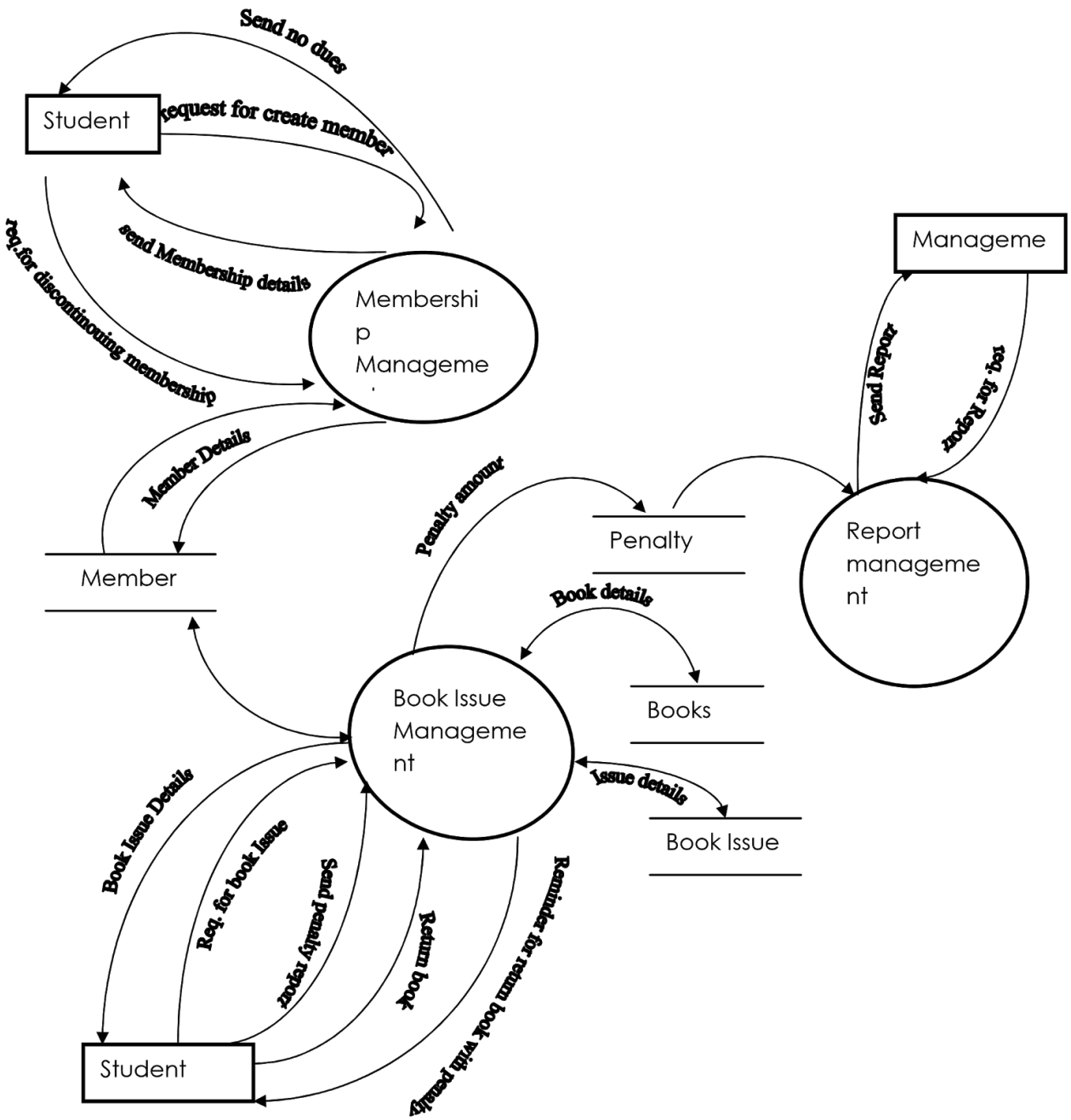
Table : Add Books

s.no.	Column Name	Date-Type	Description
1	Book_name	Text	Title of the book
2	Book_code	Text	Book identification number
3	Author	Text	Author of books
4	Date of arrival	Date/time	Date on which book was received
5	Price	Text	Cost of books
6	Rack_no	Text	Almirah no
7	No_of_books	Text	Quantity of books
8	Subject_code	Text	Unique identification no of particular subject

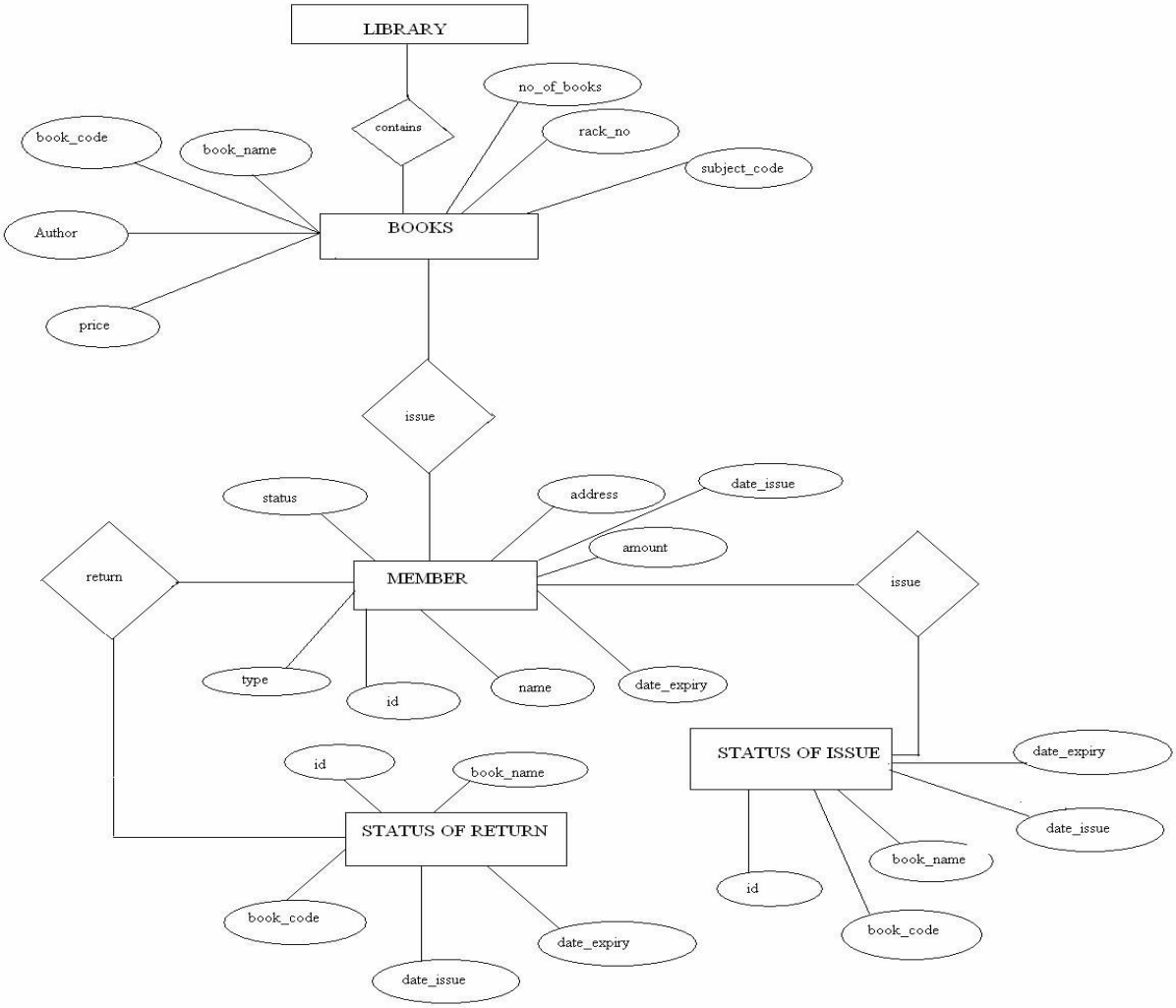
Table : Issue

s.no.	Column Type	Date Type	Description
1	Id_no	Text	User identification number
2	Book_name	Text	Title of books
3	Issue_date	Date/time	Date on which book is issued
4	Due_date	Date/time	Due date on which book is to be returned

DATA FLOW DIAGRAM



ER Diagram



It is clear that the physical objects from the previous section – the member, books, library – correspond to entities in the Entity-Relationship model, and the operations to be done on those entities – holds, checkouts, and so on – correspond to relationships. However, a good design will minimize redundancy and attempt to store all the required information in as small a space as possible.

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Thank You