LAB 3

COURSE CODE: EDM1142

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SCHOOL LIBRARY MANAGEMENT SYSTEM

AIM:

To write a problem statement, implement features and draw an ULM diagram for library management.

PROBLEM STATEMENT :

Library management system is used for the management and transactions of books in a library.in this information system we need to know the name, author, title, number of pages, number of copies and inventory number of the total books available and the book record of new borrowing that is date of borrow, date of return, and status of the book (active or complete) .it also must be able to keep records of all library member information (address, membership number). And also send notification to member of the library like due dates for return of book and the books available in the library.

PROBLEMS ENCOUNTERED BY THE SYSTEM

1. Sometimes difficult to obtain skilled and trained personnel .
2. Difficult for members to know the books available present in the library.
3. Some members regularly omit to return books back due to insufficient information on dates of return.
4. Lack of adequate information concerning members due to poor information system.

GOALS

1. User can easily know the books available for borrow and due dates for return, thus save time and increase efficiency.
2. Helps users to easily search for a book based on the author name.
3. Easy management if the library as the system is fully automated. UML DIAGRAM

LIBRARY MANAGEMENT SYSTEM

-Send notification to members on borrowing due dates an books available in the library

NOTIFICATION SYSTEM

-Date of borrow

-Due dates for borrowed books

-Inventory of books

-Address string

-Name string

-Member identification number

LIBRARY DATA BASE

Members/users

-User name and password

-login/logout

-register

BOOK system

-Title string

-Name string

-Number of copy

-Author name string

-Number of pages

staff

debt

STUDENT

class