

Synopsis

Project Name: Library Management System

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OVERVIEW: Library management system project used to track books owned, issue book, return book records, penalty records, and students who have borrowed.

PLATFORM:

Language: C#

Framework: .NET

Tool: Visual Studio 2022

Front End: Windows Form

Back End: MySQL Server

FUNCTIONAL REQUIREMENTS:

- The Librarian has a username and password to access the system.
- After login he has to first add publication detail in to system and then enter all the detail of book stock.
- In our system librarian can make entry of student who are the members of our system.
- Librarian can register all students with valid personal detail and generate username and password for each student for login into system.
- Librarian issue books to registered student and get return from them. He has rights to make a penalty for late return book.
- The Librarian can add books to the system by entering the details of the books and can even update the details.

- Librarian and Students can even search for books by entering the name of the book.
- The student is a registered member of library system. All student has unique username and password to access his account.
- After login student can access his account detail, they can see the borrowed book report and penalty report.
- Student will able to download the borrowed book report and penalty report.
- Librarian will able to download the report about the task user wise, status wise and period wise.

BENEFITS OF THE SYSTEM:

- This system reduces manual work to a great extent allows smooth flow of library activities by removing chances of errors in details.
- Library management system project website used to maintain all activities of library system such as maintain books stock, issue book records, return book records, student detail and also keep data of penalty for late return books.
- The project covered all activities which has done to run library system.
- Thus, it saves human efforts and resources.