

Database Management System

Mini Project Synopsis

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Title – Library Management System

Project Description :

Database management systems help a great deal for Libraries to manage large amounts of information and to perform transactions on such large amounts of data. They reduce manual efforts hence enhance the quality of information retrieval services. Using this product, Libraries can keep track of numerous books along with all their details like author name, genre, series name, number of pages and publisher. Along with this the librarian can also keep track of users, books that were issued, due dates etc. Librarians will also be able to modify the details of the books like restock, worn out copies and new books whenever required. User details are also maintained (user name, gender, phone number, address). Users will be able to search books and view the book details of each book.

Objective:

The objective of this project is to design an easy to use and user-friendly database management application system that helps the librarian with all the tasks related to efficient library management.

Project Scope:

- To have an application that secures data records.
- To have an application that keeps track of books issued, due dates and related details in a simple format.
- To have an application that reduces the errors and efforts of the librarian.
- To have an application that can track the user activities
- The application shall have a login page for allowing only authorized users to access the application.

Tools used :

- Front End - **HTML, CSS, JavaScript**
- Back End - **PHP**
- Database - **MySQL**