Introduction

Library management system is a project which aims in developing a computerized system to maintain all the daily work of library. This project has many fearl features which are generally not available in narmal library management systems like facility of user logic and a facility of admin login through which the atthe admin login can monitar the whale system.

It also has facility of an online notice board where teachers can I student can put up information about workshops at seminars being held in our calleges are nearly calleges and librarian after proper vertification from the concerned institution organizing the seminar can add it to the notice board.

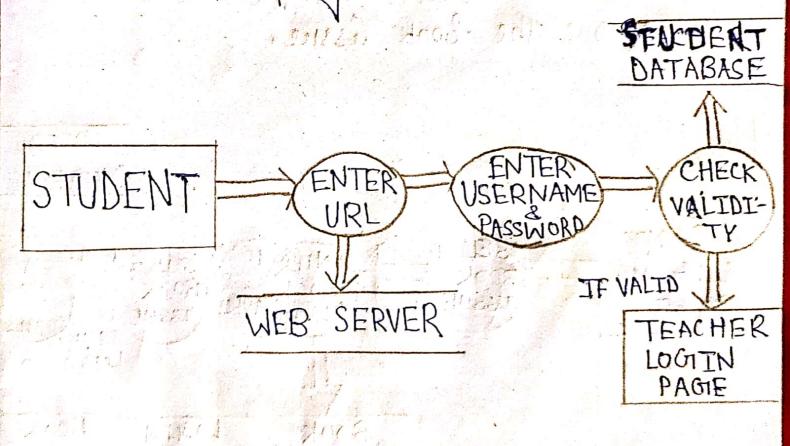
Logging in their accounts can see list of books assued and its assue date and return date and also the students can trequest the librarian to add new books by filling the respondit ent. med treuper sod sterre don't eniepal treuper priepal treuper into his account ie admin account Can génerale various repords such as student reposit, issue reposit, beacher reposit and book suport overall this project of owns is being developed to help the students as well as staff of library to maintain the library in the best way possible and also reduce the human effords.

Flowchart

Data flow Diagram far Feacher Login After entering to the home page of the website, teacher can choose the Teacher Login option where they are asked to enter username & Passicard, and if he She is a valid user them a teacher. login page will be displayed. TEACHER DATABASE CHECK USERNAME IF VALID WEB SERVER TEACHER LOGIN

Data Elow Riagram for student Login

After entering to the home page website, student can choose the STUDENT LOGITH option where they are asked to enter username & passicalid, and if he/she is a valid user them a student login page will be displayed.



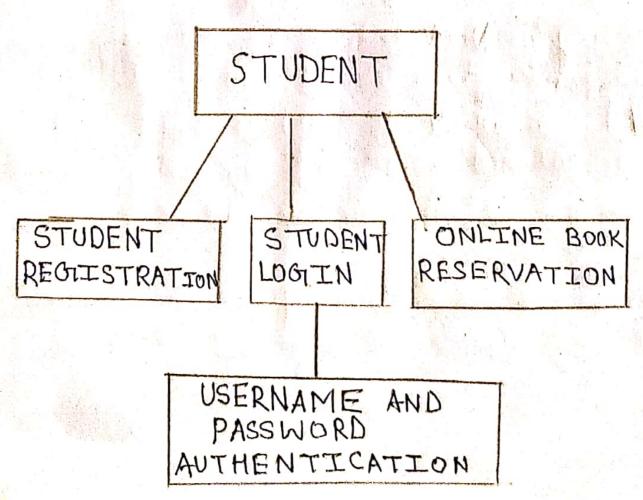
Data Elow Diagram Lar Book Issue

It is a 2nd level Data Elow Diagram where after entering STUDENT LOGITM Page he/she can select a book issue option where after entering the book detail, he/she can select the book issue option and if the maximum no of books issue option and if the maximum a request will be sent to the librarian who will approve the book issue.

STUDENT SELECT PENTER IF SELECT OF NO UPANTE BOOK DETAIL AVBIL ISSUE BOOK LESS OF LESS OF LESS OF DATABASE TABLE DATABASE

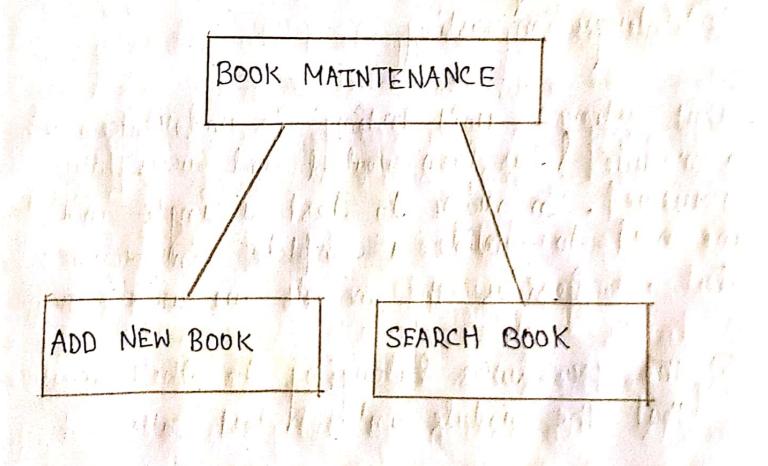
Module Description

Student Module: - The fautising module contains various facilities like student registration, student login, online book reservation, and went addition Any student if at any moment forgets his Passworld he can restricte it from forget passworld oftion.



BOOK Module

The fallowing module contains various facilities like add new book and search book. In the add new book section if any new book comes in the library then the l



System Testing: The aim of the system testing Grocess was to determine all defects sin only Grocess was to determine all defects sin only Groces. The program was subjected to a set of test impuls and various observations were made and based on these observations it while be died and based on these observations it while be died decided whether the program behaves as expected decided whether the program behaves as expected as not only project, went through two devels of testing.

1 Unit Testing

(2) Indergration, Resting

Unit Testing: - unit testing is undertaken when a module I has been created and successfully reviewed. In order to test a single module are need to privide a complete environment ie Les besides the module are would require

The procedures belonging to other modules that the module under I test caus

- (i) Non Jocal data structures that module
- (iii) A procedures to call the functions of the module under test with appropriate forameters.

Interpretation Test To this type of desting we test various interpretation of the project module by providing the input. The primary objective I is to test the module interpretation of the input. The primary objective I is to ensure that mo erriors are occurring when one module invokes the other module.

Conclusion & Enture Scoke: This website provides a computerized version of library management system which will benefit the students as well as the staff of the library.

with, and still of the production is the same

It makes antire process online whore Student can Search books, staff com generate reports and & do book Domsadin Get has also has a facility fat student login where student can I login and can See status of books issued as well rugus for book or given some Suggestions. It has a facility of deacher's logen where teachers can add lectures notes and also give necessary suggestion to library and also add into about warkshops our vener happening in our collège at nearby collège in the online notice board. There is a future scape of this facility that many more features such as online tectures wideo suborfals can be added by teachers as well as online assignments submission facility, a feature of groups chat where students can discus

various issues engineering can be added to this project thus making it mare winto active more user friendly and project which frequest each users need in the best way fossible.

Module - wise Credits

* Homepage and My Account

designed by - Mukul Prasad

Ray

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Section - K194K

* Login / Sign up designed by - Yogesh kumar Rull no. 68 section - K19 HK

* Book issue disigned by - Harneet kaur Roll no. 69 Section - K19 fik