



Library Website

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Overview:

The purpose of the Library Management system is to allow for storing details of a large number of books, magazines, Journals, thesis and allow for add, search, borrow, return facilities separately to administrator/Librarian, staff and students. Different privileges are given to different types of users.

Objective:

1. To make the website's interface more user-friendly.
2. To control library data and minimise complicity.
3. To disseminate important information about the library to members.
4. To make User friendly website which allows user to search books, view issued book, view fine and all such operations

System Users:

System mainly contains 2 users .

1. Librarian
2. Member
 - Student
 - Teaching Staff
 - Non-Teaching Staff

Librarian Features:

Librarian duty is to maintain all records of book i.e. number of all types books, magazines, journals in library . Librarian maintains details of all members of library. Librarian also performs following tasks.

- Issue book: Librarian issues books to member.
- Check book Availability: Before issue book librarian check book availability in library
- Check validity of member: Librarian checks the validity of user for valid user of library
- Check book limit : Librarian checks the book limit which is set for all respective members like students can issue 10 books in day, Staff can issue 5 books in day ,non teaching members can issue 2 books in day
- Librarian calculates fine is member return book late as per decided norms

Member Features:

All members can use library website for searching book availability and view records like number of book issued, return/due dates for books, view fine if any, view renew date.

- Issue book : Member can issue book in library and details updated on website
- return book : Member can return book in library and details updated on website
- renew book :Members can renew book in library and details updated on website
- view fine :Member can view fine if member submitted book after due date
- view due date :Member can view due date for returning book
- maintain record : if any update in member details member needs to submit to library

Software requirements:

I.IDE/Text Editor:

- Visual Studio Code
- Git Bash CLI

II.Front End:

- HTML5
- CSS3

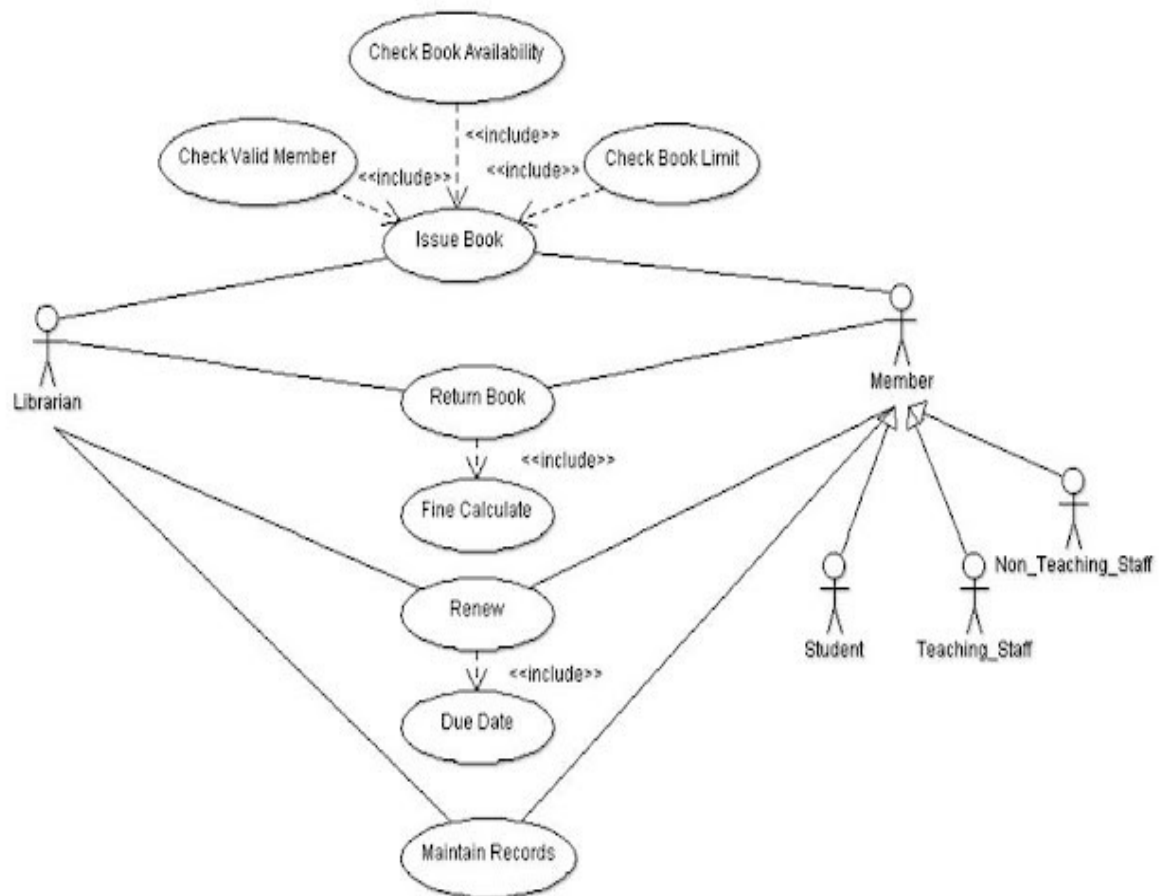
II.Back End:

- MySql

III.Browser:

- Google Chrome
- Mozilla Firefox
- Safari and All Browsers

Use Case Diagram:



dig. Use Case Diagram for Library Management System

Actors in use case system

1. Librarian
2. Member
 - Student
 - Teaching StaffActors
 - Non-Teaching Staff

Use cases for Librarian

- Issue book:
 - Check book Availability:
 - Check validity of member:
 - Check book limit :
- return book
 - calculate fine
- renew book
 - due date
- Maintain Records

Use cases for member

- issue book
- return book
- renew book
- Maintain record