

IST LIBRARY MANAGEMENT

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PROJECT GUIDE: P.S.APIRAJITHA

PROBLEM STATEMENT

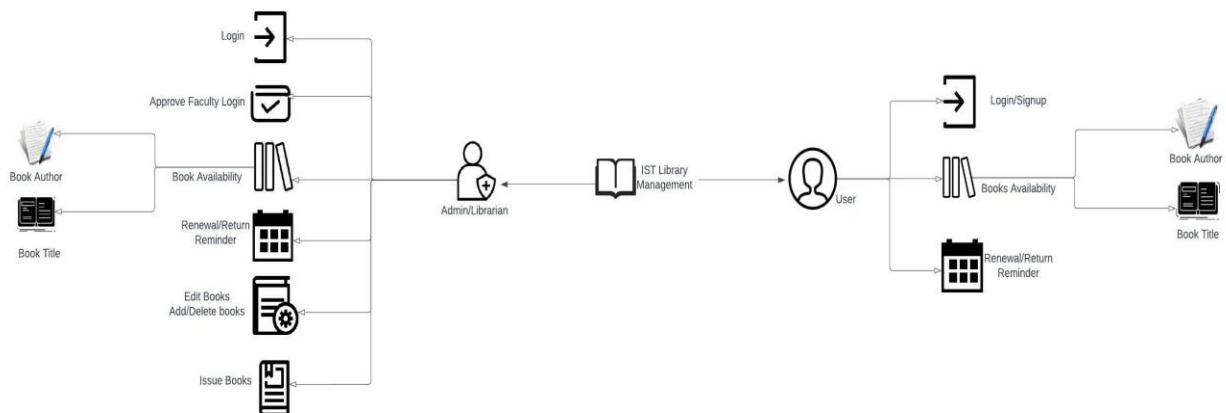
IST Library management system is an infrastructure that allows users/faculty to search books and book content and borrow books from the library. It helps the Librarian to manage books and retrieval of books from the users.

ABSTRACT

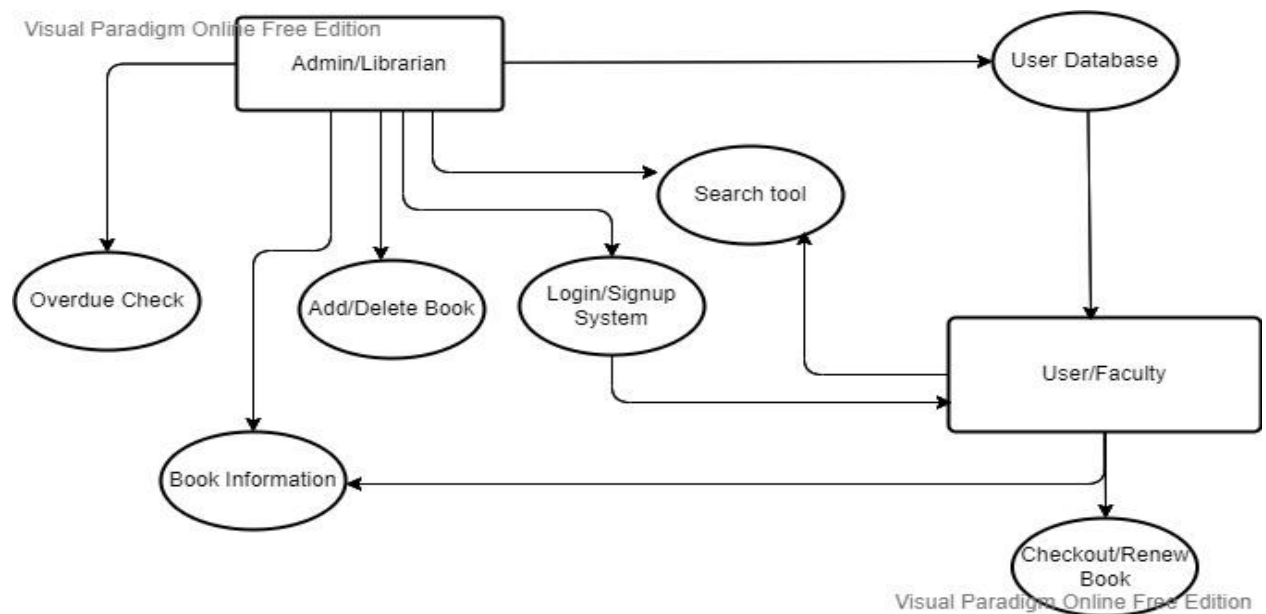
In IST, this project will be useful for managing books in the Department Library. The Library Management System is an application for assisting a librarian in managing a book library in a university. The system would provide basic set of features to add/update members, add/update books, and manage check in specifications for the systems based on the client's statement of need.

Library management system is a typical management Information system (MIS), its Development include the establishment and maintenance of back-end database and front-end application development aspects. For the former require the establishment of data consistency and integrity of the strong data security and good libraries. As for the latter requires the application fully functional, easy to use and so on.

ARCHITECTURE DIAGRAM



WORKFLOW DIAGRAM



TOOLS & TECHNIQUES

Frontend: Flutter

Database: MySQL

MODULES LIST

1. ADMIN/LIBRARIAN

- Login
- Book Information
- Add/Delete Book
- Overdue check
- Search Tool

2. USER/FACULTY

- Login
- Signup
- Book Information
- Search Tool
- Checkout/Renew Book

MODULES DESCRIPTION

ADMIN/LIBRARIAN

LOGIN:

This is the login page for the admin.

BOOK INFORMATION:

Through this module admin can see the book details like issue books, return books, available books.

ADD/DELETE BOOK:

This module is used for admin to add and delete books for the library.

OVERDUE CHECK:

In this module admin can see the due date for the borrower.

SEARCH TOOL:

This Tool is used to search books by bookid, title, author.

USER/FACULTY

LOGIN:

This is the login page for the User/Faculty.

SIGNUP:

This is the signup page for the User. Admin have to verify this signup details.

BOOK INFORMATION:

Through this module user can see the book details like issue books, return books, available books.

SEARCH TOOL:

This Tool is used to search books by bookid, title, author.

CHECKOUT/RENEW BOOK:

Through this module user can see their borrow books details.