**Public Library Management System**

**Date**: 29/08/2022

**Guide**: Jetty Benjamin

1. **Project Overview?**

Libraries are popular places where there are numerous books to keep track of. Not only books but the librarian is also required to keep track of users, books that were taken, due dates, etc. Making manual entries and keeping track of due dates is not easy when the user’s size is more. It becomes complex when there are numerous books and when the members of the library are increasing

Public Library Management System is a system which maintains the information about the books present in the library, their authors, the members of library to whom books are issued, librarian and all. This is very difficult to organize manually. Maintenance of all this information manually is a very complex task. Owing to the advancement of technology, organization of an Public Library becomes much simple. The Public Library Management has been designed to computerize and automate the operations performed over the information about the members, book issues and returns and all other operations. This computerization of library helps in many instances of its maintenances. It reduces the workload of management as most of the manual work done is reduced

1. **To what extend the system is proposed for?**

* A library management system is software that is designed to manage all the functions of a library. It helps librarian to maintain the database of new books and the books that are borrowed by members along with their due dates.
* This system completely automates all your library’s activities. The best way to maintain, organize, and handle countless books systematically is to implement a library management system software.
* A library management system is used to maintain library records. It tracks the records of the number of books in the library, how many books are issued, or how many books have been returned and late fine charges
* The proposed system, where admin can register librarian, approve or reject user membership request and categorize books.

* Librarian can update their profile information, manage books ( add, delete, update, view),search books based on (title, author, category, ISBN no),issuing book to users ,returning books and make penalty for users if

they didn’t returned the book after the due date.

* Public user get a membership through online, User can register for membership in library by getting in to the library management system dashboard. User can request books, search books based on(title, category, author),Pay fine if the book didn’t returned after the due date , and request to cancel their membership.

1. **Specify the Viewers/Public which is to be involved in the System?**

The General public are involved in the system

1. **List the Modules included in your System?**

**Admin: -**

* + Login
  + Register Librarian
  + Approve / Reject User Request
  + Categorize Books

**Librarian: -**

* + Login
  + Profile Updation
  + Book Management(Add,Delete,View,Update)
  + Book Search
  + Issue Book
  + Return Book
  + Penalty Management

**Public user: -**

* + Register
  + Login
  + Book Request/Reserved Book
  + Book Search
  + Penalty Management
  + Cancel Membership

1. **Identify the users in your project?**

The users are the Librarian and public users

1. **Who owns the system?**

The Administrator owns the Public Library Management System

1. **System is related to which firm/industry/organization?**

The system is related to organization. Organization in public library management system engaged in the librarian,public user and book management in the libraray

1. **Details of person that you have contacted for data collection?**

Unni K Menon

Librarian at Public Library Thrissur

9847654136

1. **Questionnaire to collect details about the project? (**min 10 questions, include descriptive answers, attach additional docs (e.g. Bill receipts, certificate models), if any?)
2. **What is the biggest problem faced in your library?**

It is difficult to keep all the membership records and book records manually

1. **How would you give a membership card to the users?**

User can get membership in the library after they fill the application form and submit the form to librarian with essential documents after that librarian and other committee members will approve the membership request if the request is genuine.

1. **Is it necessary that recommendation is to get the library membership?**

Yesit is necessary that a person who is already a member of the library should recommend a newly membership requested person

1. **What are the categories of membership ?**

Library membership is here categorized in to four.,Aclass,(Life long)B class (Three years) C class (2 years) and D class (1 year)

1. **How much is the membership payment?**

It depends on the type of membership whether it is A class it is 1000 if it is B class it is 500 if it is C class it is 250 it is D class it is 200

1. **How much books a person can borrow at a time?**

It depends on the type of membership

1. **How would you categorize the books?**

Books are categorized based on it’s title name, author name, ISBN no, type of the content( Fiction, short story, biography, poem, magazines, science fiction etc )

1. **What are the information stored about a book**

Book title, author name, category of book, publisher name, publisher, published year, published agency, price, no of pages, stock no, ISBN no ,ISSN no, serial no, no of copies available, purchased date etc

1. **How would you charge fine?**

If the book is not returned after the due date charge a fine for the users. For a month it is 5 Rs after that for every week it is 10 Rs .Likewise issuing new book to users only after the clearness of penalty.

1. **What is your vision of the library?**

Library as a critical part of the community. Libraries are a “third place,” they are neither work nor home, but rather a place where people can freely come together in a safe space to read, to learn, to interact, and to randomly browse shelves. The library is a public space where everyone is welcome, free of charge, to come and be provided our excellent customer service. The vision of our library is to provide excellent customer service.