SRS for Library Management System

Table of Contents

1 Introduction

2 Users of software

3 Stock management module

4 Registration module

5 Librarian module

**1 Introduction**

All processes in City library to be automated using software to facilitate faster transactions. Currently, all processes would be branch specific. No two branches should be able to access data of other branch. However, in future cross-branch transactions are expected and facility should be made in current software to enable this whenever required.

Book purchase process is excluded from scope of this software.

**2 Users of software**

Key users of this software are stock managers, librarians and registration staff

**3 Stock management module**

1. Stock manager should be able to add new books in library stock

2. Librarian can only view the books in the stock

3. "New book addition” should include at least following details

1. ISBN code (13 digit)
2. Book name (250 char)
3. Author name (100 char)
4. Translator name (Optional) (100 char)
5. Publisher name (100 char)
6. Date of addition
7. Quantity / Number of copies
8. Book category (Novel, Travel, cookery book etc.)
9. Market price
10. Remarks
11. Auto generated member ID"

4. For each book copy, a unique code should be generated.

5. Stock manager should be able to add, modify and remove book categories, book types

6. ISBN number can be scanned using ISBN scanner or entered manually

7. Stock manager should be able to create reports and export the same to Word, Excel and PDF as needed

1. Report - Total stock at any time – Book categorywise, Publisherwise
2. Report - New books added - Monthly, yearly

**4 Registration module**

1. Only registration staff should have access to enroll and renew members

2. Current membership is of 3 types - Citizens, Organizations and staff.

3. Registration should include submitting at least following information

1. Name
2. Membership type
3. Address
4. Contact number
5. Email ID
6. Proof of identification (yes / No)
7. Registration date

4. "Membership charges includes following types

1. Joining fee
2. Deposit
3. Monthly charges

5. Membership charges vary for each membership type

6. Facility should be available to change membership charges

7. Facility should be available to configure discount for yearly payment

8. Receipt printing facility should be available

9. Membership should get de-activated if the membership renewal is delayed by more than 15 days

10. Registration staff should be able to create reports and export the same to Word, Excel and PDF as needed

1. Report - List of active members, category wise
2. Report - Renewal due list - weekly, monthly
3. 11. Member ship card should printed to include following details
4. Memebr ID
5. Member Name
6. Membership Type

5 Librarian module

1. Librarian should be able to issue and receive the books

2. Books can be issued only to active members

3. Book issue should record at least following fields

1. Date of issue
2. Book ISBN code
3. Member ID"

4. Receipt of book should include recording of

1. Date of issue
2. Book ISBN code
3. Member ID"

5. Scanner should be used to scan book ISBN code and membership card ID

6. Maximum Number of books to be issued at the same time varies based on membership type and should be configurable

7. Maximum allowable duration for book return varies based on membership type and should be configurable

8. Fine should be calculated after due date

9. Fine rate varies based on membership type and should be configurable

10. Fine calculation should exclude library holidays

11. Process of single book issue or receipt should not take more than 30 seconds for a member