**Automated Library Management System**

**Brief History:**

The **Om Book Library** is managing their day to day tasks manually. They want to automate their tasks due to heavy workload. The main tasks are borrowing and returning books, searching the available books in the Library.

The objective is to develop the web based application so that it can be accessible from anywhere and anytime. All the services can be availed by the registered members only who may be students or professors, they will check the availability of the books and borrow the books, and by the librarian to update the databases.

**Business Rules**

1. Two users can operate the system. Customer and Admin (Librarian). Admin will be Librarian who will manage the website.
2. The new member has to register and pay one time membership fee amount.
3. The payment can be done either through Credit Card, Debit Card, Net Banking, Check or Demand Draft. The 1st year annual fee is included in one time membership fee. Keep all the transaction information in the database.
4. There are two kinds of membership is available – Normal and Premium. The fee for the normal membership is INR- 10,000/ and for Premium user INR- 20,000/. The annual fee is INR- 2,000/ for both the members.
5. Only two books can be issued to a member at a time.
6. The normal user has to pay membership & annual fee annually and Premium user has to pay membership & annual fee once in five years.
7. Librarian will issue and return books and can generate various kinds of reports and update the change the status of any member with remarks.
8. The book will issued only for 5 days and if it exceeds the fine amount will charged INR- 1/ per day. If it is not returned within 30 days the members ship will be deactivated automatically and inform to the member and librarian by mail.

**Business Rules:**

**Scope:**

* Separate login for **Customer** and **Admin** with their user name / password.
* **Admin –**
* Add new books in the system
* Purchase new book based on requested by the member
* Collect the membership and late fee
* Manage the membership [active the paid user and inactive the defaulter user]
* Register the new member
* Answer of any queries
* Reports –
  + New Book Request
  + Book Issue Report –
    - Month wise
    - Year Wise
    - Book ID wise
    - All
  + Book Info
  + Active members
  + Inactive members
  + Normal/premium member wise
  + Membership collection report month wise , year wise and all
  + Fine collection report month wise , year wise and all
  + Report for queries
* Update profile and change password
* User – (with sign-up and sign-in options)
  + User will the books available and result will display in page wise[max record – 10 per page]
  + Request for book issue/return
  + Membership fee/late fine payment
  + Track the payment details
  + Reports –
    - All issued books [date, month, year and on date range]
    - All return books [date, month, year and on date range]
    - New book request details
  + Update profile and change password
  + Write comment for a particular book