E-Library System

❖ **Functional Requirements**

Contents

E-Library:

This project aims to build a e-library system through which user will be able to login and purchase their choice of book.

Users can register themselves to login into the application, users are allowed to search books and purchase the book which they are willing to buy.

Library Admin is only allowed to add new book, edit the entire details of the book & delete the book.

1. Registration Page:

User will be able to register by clicking the register link from login screen. On successful submit, data should be inserted into the database

Below are the fields for Register page.

Fields	Validations	Comments
First Name	Required Alphabets only	
Last Name	Required Alphabets only	
Email	Required Email validation	Email will be a username for login So we have to provide a small instructional message saying – your email will be a username.
Password	Required 10 characters 1 uppercase 1 number 1 special characters	

2. Login:

Login page is for user to login into the application:

Fields	Validations	Comments
Email	Required Email validation	
Password	Required	

3. Search Books page:

After login users will be able to search for books. After entering the book title and when we click on search button – search results will be pulled from database based on the book title provided. Data will be displayed in the table.

When select the book to purchase, count of the availability should be reduced.

Book ID	Book Name	Book Description	Author	Number of books available	Purchase

4. About Page:

About page is a static page, which will have information about the online library. You can add some content about the organization, what are all the services provided by the organization.

Please list the rules and regulations to be followed in the online library.

| Home | About Library | Rules & Regulations | Price Card | Login |

Welcome To
Library Management System

Online library management project in spring and hibernate is complete solution for all the manual problem that we face during the library management. Mainly there are 2 main actor of the application that going to operate the application **1)Admin/Librarian and 2) User/Students.**
Book or Digital books is the main module of the library management system. Book are assets that we are storing in the database with some details like name, author name and version and a PDF format. So admin can perform crud operation and issued the booked to users

5. Price Card:

This will be a static page where you have mentioned the charges for lending a book from library. Please mention the pricing in table.

6. Library Admin User Actions:

6.1 Add a New Book:

Library Admin user will have privileges to add a new book by clicking the Add book link; this link will be only visible to admin.

Fields	Validations	Comments
Book ID	Required Numeric	
Book Title	Required Alphanumeric Length - 50	
Book Description	Alphanumeric Length - 150	
Author Name	Required Alphanumeric Length - 50	

Number of book available	Required Numeric	

6.2 Search Book

| Book ID	Book Name	Book Description	Author	Number of books available	Purchase

After login users will be able to search for books. After entering the book title and when we click on search button – search results will be pulled from database based on the book title provided. Data will be displayed in the table.

6.3 Edit Book:

When admin click on the edit link will be redirected to edit book page where admin will be able to edit the book information and save the changes. Edit page design is same as Add book page design.

6.4 Delete Book:

Delete action is used to the delete the book record from the system. For deleting there record, only admin user will have delete privileges. When user click deletes, a popup should appear to confirm the deletion.