SRS Documentation

Library Management System

Introduction:

The main objective of this document is to determine the functional and non-functional requirements for the library management system that would be capable to help to process data on the books, student logins, and the corresponding tasks for the university management.

Functional Requirements

1. User Authentication:
   a. Admin Login: Admin logins are done by the unique identifier (email) and password.
   b. Student Login: Student logins are done using student id and corresponding password.
2. Admin Functionalities
   a. Add Books: Admins have the ability to provide a book's information choose the Available Branch, set the Price, specify the Quantity of copies, and finally upload a Book Photo
   b. Manage Reports: Book Reports Student Reports Issue Reports
   c. Book Requests: Admins will be able to anticipate the books that students will ask for.
   d. Issue Book: Can give the books to the students and update the records.
   e. Add Person: One of the jobs of the admins is the addition of other users or students to the system.
3. Student Functionalities
   a. Manage My Account: Students can look for their Schedule, Name of Teacher, Email, and Account Type
   b. Request Books: Students can request a book from the library.
   c. See Available Books: Students can check out the books in the library.

Non-Functional Requirements

1. Performance
   To start with, the system needs to support login, data addition, and report generation for several users at the same time.
2. Usability
   An intuitive and user-friendly interface should be developed for both admins and students.
3. Reliability
   Store and process user and book data page to the next user. The system has to be reliable in terms of storage and processing of user and book data apps.

4. Security
   Authentication of the user must be fully safe to stand out admin and student data. Only authorized admins should access the admin module, and intro-group communications should be logical.

5. Scalability
   The system should provide the facility of more books, students, and admins to be included in the future without sacrifice of performance.
6. Compatibility
   The system should function on the standard Internet browsers such as Chrome, Firefox, and Edge.

Conclusion:

The university library management system employs two modules, one for administrators, the other for students to be able to read our library collection. The admin role is responsible for adding books, generating reports, and managing user requests, while the student role is related to the library and the book they are borrowing to their account. The system offers a secure, scalable, and user-friendly infrastructure, ensuring higher productivity, reliability, and user satisfaction. Technical improvements such as notifications and analytics are also intended to enrich the future.

Digital Library

- ADD BOOK
- BOOK REPORT
- BOOK REQUESTS
- ADD STUDENT
- STUDENT REPORT
- ISSUE BOOK
- ISSUE REPORT
- LOGOUT

ADD NEW BOOK

Book Name:
Detail:
Autor:
Publication
Branch: ◉Other ◉BSIT ◉BSCS ◉BSSE
Price:
Quantity:
Book Photo Choose File No file chosen

SUBMIT

Digital Library

- ADD BOOK
- BOOK REPORT
- BOOK REQUESTS
- ADD STUDENT
- STUDENT REPORT
- ISSUE BOOK
- ISSUE REPORT
- LOGOUT

ADD Person

Name:
Pasword:
Email:
Choose type: student ▾ SUBMIT

DIGITAL LIBRARY

"Libraries store the energy that fuels the imagination".

My Account

Request Book

Book Report

LOGOUT

My Account

Person Name: salman

Person Email: idno22382@gmail.com

Account Type: student