UNIVERSITY OF CALOOCAN CITY
Congress Campus

COMPUTER STUDIES DEPARTMENT

Proposed Title: BookNest—*a Library Management System*

Description: BookNest is a web-based application designed to help libraries manage their book inventory, member records, and lending processes. In this system, it will allow users or the librarians to categorize books, handle member details, and monitor book loans and returns. And with this system, it will offer a streamlined and orderly approach to managing library tasks, reducing mistakes and enhancing the experience of different users.

General Objective: The main objective of the Library Management System is to simplify the organization of library tasks, such as book cataloging, member management, and monitoring book borrowings and returns. And with the system, it aims to boost the effectiveness, lessen administrative work or burden, and enhance the library experience.

Specific Objectives:
• To enable librarians to add, edit, and delete book records, including details like title, author, genre, and availability.
• To enable the management of member details, such as signing up, updating profiles, and checking borrowing history.
• To track book lending and returning, ensuring that the system updates the availability of books in real time.
• To provide members with an interface to browse the library catalog, check availability, and view their borrowing history.

Scope:
• User registration and authentication
• Profile updates
• View borrowing history
• Search functionality
• Tracks which books have been borrowed and by whom
• Manage list of books, adding and editing book details, categorizing books, and removing outdated or damaged books

Limitation:
• The web application can only be accessed online
• Data entry can be time-consuming and prone to human error
• As the platform evolves, scalability issues may occur and ongoing optimization work might be required

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