



REPUBLIC OF THE PHILIPPINES
BICOL UNIVERSITY
BICOL UNIVERSITY POLANGUI



INFORMATION MANAGEMENT

Project Scope: Library Management System

Brief Description of the System

The Library Management System is a database-driven platform designed to manage the operations of a library. It allows librarians to track book inventory, manage member information, and facilitate book borrowing and returns. This system improves the efficiency of library services by automating manual tasks, reducing errors, and providing real-time access to records.

Key Functionalities

- Book Management: Add, update, delete, and categorize books with details like title, author, genre, and availability.
- Member Management: Register members, update personal information, and track borrowing history.
- Borrowing and Returning: Record book checkouts, due dates, and return transactions, with overdue notifications.
- Search and Catalog: Allow users to search for books by title, author, category, or availability.
- User Access Control: Different access levels for librarians, administrators, and members.

Stakeholders

- Librarian: Manages book inventory, member records, and borrowing/returning processes.
- Library Members: Borrow and return books and view book availability
- Library Administrator: Oversees system operations and manages user permissions

Core Data Processes

- Book Cataloging: Adding new books, updating existing records, and removing outdated entries.
- Member Registration: Storing member details, managing accounts, and tracking borrowing privileges.
- Transaction Management: Logging book checkouts, monitoring due dates, and recording returns.
- Search Operations: Querying the database to retrieve book and member information.



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