Library Management System (LMS) - Summary

LMS Definition

A Library Management System (LMS) is a software tool used by libraries to manage resources like books, journals, and media. In this project, it's designed for St. Mary's University's Computer Science department using C++. It helps librarians and users to add, view, and issue books, and organize and track resources easily.

Main Functions of LMS

1. Catalog Management - Lets users search and organize books by title, author, genre, etc.

2. Circulation Management - Manages book loans, returns, renewals, and availability status.

3. Acquisition & Inventory - Tracks new books (purchases or donations) and maintains inventory.

4. Member Management - Handles user info, borrowing history, fines, and sends notifications.

5. Reports & Analytics - Generates reports on book usage, member activity, and inventory for better decision-making.