Library Management System: Vision & Scope

Vision Statement

We are developing a Library Management System to maintain a database for a local library, allowing members of the community to effectively and efficiently use library resources. By implementing this system, library workers can track important information on user activity like items they've checked out and loans, while also being able to adjust the rules to their needs (like changing membership status), generate reports, etc. This system is much more reliable than manually tracking these items and also allows for scalability, so the library can grow as the community grows without worrying about whether their systems can handle it. In general, this system will provide ease to the community, the staff, and help make people's experience at the library more enjoyable.

Scope Statement

Our Library Management System will include the following features:

- Maintains a list of each book and digital media item as well as magazines, with important information like Title, author/creator, ISBN, publication year, genre, and availability status
- Maintains a list of each guest desktop computer with important information like computer number (i.e. 1, 2, 3, or 4), users of the computer, and users' login/logout times
- Tracks item availability, loan status, and due dates of items, as well as timestamps of when they have been checked out and by who
- Allows users to reserve and renew items, check loan statuses, and search list of books and digital items
- Allow workers to check out items, process returns, add new items, and manage client accounts
- Maintains information on user profiles
    - Information includes: items checked out, holds
- Creates reports of borrowing trends by genre