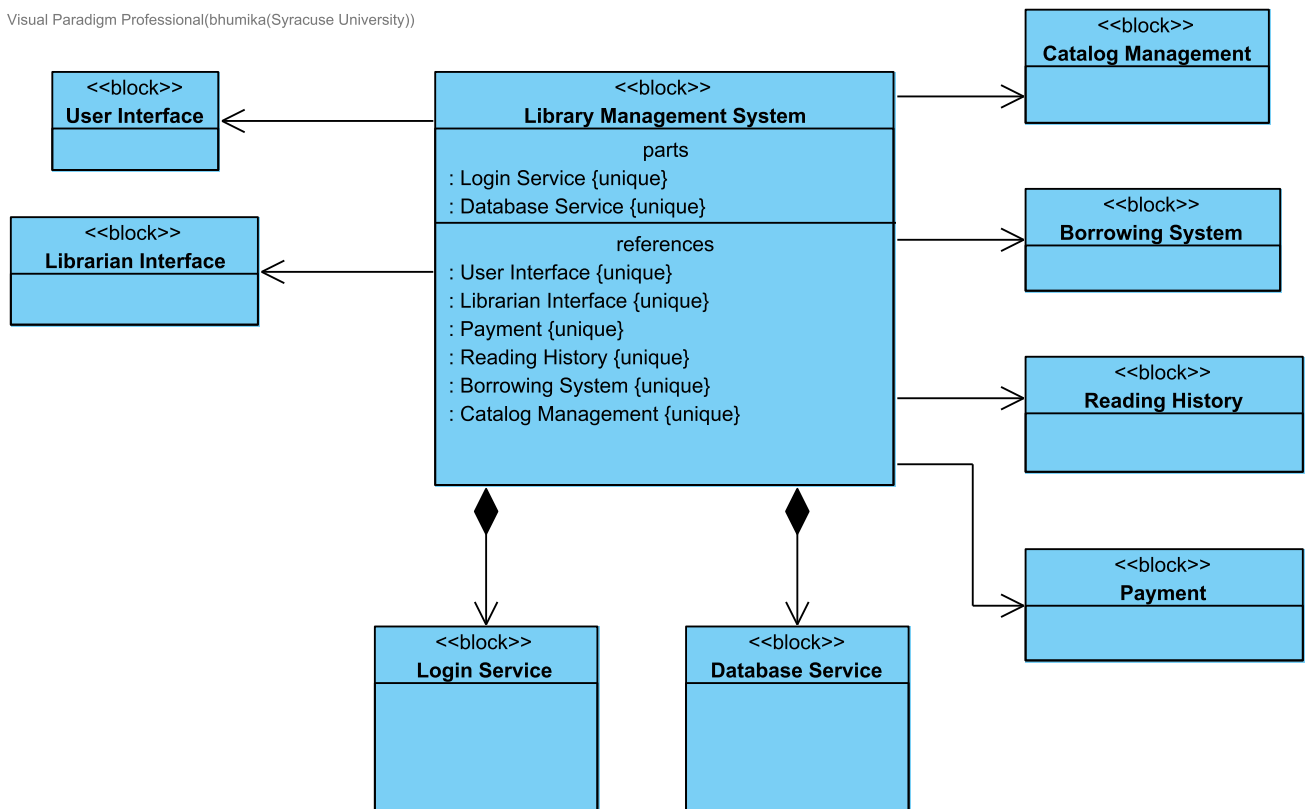




1. Block Definition Diagram

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2. Borrowing System

This component handles the borrowing and return of books by library patrons, including tracking loan periods, reservations, and overdue books.

3. Catalog Management

This component is responsible for managing the library's catalog, including adding new books, updating book information, and maintaining the overall catalog.

4. Database Service

This component is responsible for managing the database that stores all the library-related data, such as books, user information, and borrowing records.

5. Librarian Interface

This block represents the interface specifically designed for librarians or library staff to interact with the library management system. It provides access to functionalities tailored for librarians.

6. Library Management System

This is the core component of the system, responsible for managing and coordinating various library-related tasks and functionalities.

It contains references to several sub-components, including Login Service, Database Service, User Interface, Librarian Interface, Payment, Reading History, Borrowing System, and Catalog Management.

7. Login Service

This component handles the user authentication and login process for the library management system.

8. Payment

This component is responsible for handling any payments related to library services, such as fines for overdue books or fees for specific services.

9. Reading History

This component keeps track of the reading history of library users, allowing them to view their past book borrowings and returns.

10. User Interface

This block represents the user interface of the library management system, which is the main interaction point for users (e.g., library patrons) to access the system's functionalities.