

Description:

OneBook is a comprehensive platform designed to streamline and optimize the management of library resources, offering functionality for multiple users. The system aims to efficiently manage books, rooms, and user accounts, facilitating the smooth operation of a library. This idea was inspired by the Habib University Library, where the Librarians were having difficulty managing resources, and Students did not have an efficient way to explore the library.

Users:

Librarian
Customer

Functional Requirements:

1.

Function: Create an account, a function that asks users to create an account in the system, providing a unique username and password.

Function: Signing in as user or librarian, a function that lets the user or the librarian to sign into the system with their usernames and passwords.

2.

Function, update books and rooms: Inventory management, a function that keeps data of books and rooms in the library and manages them as per the desire of the librarians..

3.

Function: Search a book, a function that allows users to search, and view a book.

Function: Issue a book, this function lets users to select a book and then issue it for 15 days (about 2 weeks).

4.

Function: Book a room, a function that allows users to book a room with specific slots available for a particular room for 1 hour. The rooms are booked by the user's registered username

5.

Function: Members management, a function that manages members registered in the system. This function gives authority to librarian to block status of certain user to their library, be able to see who has any book issued, etc

Relational Schema:



