Library System

The Alex Library Management System is a program that simulates the management of books in the Alex library. Users can perform operations such as adding, removing, deleting, and borrowing books. Each book is uniquely identified by its ID:

1. Introduction

The Alex Library Management System is designed to provide a basic simulation of a library management system. It allows users to manage a collection of books by performing various operations on them.

Features

- Add a new book with details (ID, title, author).
- Update specific book by its ID.
- Remove an existing book by its ID.
- Borrow a book (mark as unavailable) by its ID.
- Return a book.
- Display the list of available books.

2. Functionalities

Adding Books

Users can add new books to the library by providing the book's ID, title, and author. The system automatically marks the book as available.

Searching

Users can search for a book in the library by its ID and return its position if exist.

Removing Books

Users can remove a book from the library by specifying its ID. If found, the book is removed from the collection.

Updating Books

Users can update a book in the library by specifying its ID. If found, the book is updated in the collection.

Borrowing Books

Users can borrow a book by entering its ID. If the book is available, it is marked as unavailable (borrowed). If the book is not available, a message is displayed indicating its unavailability.

Returning Books

Users can return a book by entering its ID. If the book is available. If the book is not available, a message is displayed indicating its unavailability.

Displaying Books

Users can view the list of available books in the library. The system displays each book's ID, title, author, and availability status.

Note: you can add more features if you want.