

# Library Management System

Features:

1. Search for a book
2. Borrow books if borrower has a valid library card
3. Add new borrowers with valid SSN.
4. Add fine if book is not returned within 14 days of checkout.

## 1. Search a book:

In the text field provided, users can search for a book. The string can contain sub-strings present in the title of the book, name of the authors or even sub-strings present in the ISBN of the book.

## 2. Borrow a book:

To borrow a book, the borrower should have a valid library card ID. Each borrower can borrow up to 3 books without returning. A book can be borrowed only by one borrower at a time since there is only one copy of each book.

## 3. Return a book:

To return books, one can enter their name or card ID or ISBN of the book which he/she wishes to return. This would provide a list of books borrowed by user and the user has the option to return any one of the books. Once a book is selected, the user is asked to enter return date.

## 4. Add new borrowers:

The librarian can add new borrowers by entering SSN, borrower name, address and phone number. Each borrower must have a unique SSN.

## 5. Fines:

Fine is calculated when a borrower returns a book and when the fines table is updated manually. Fines are calculated as: (the difference in days between the due\_date and date\_in) \* \$0.25

OR (the difference between the due\_date and TODAY) \* \$0.25

## UI: Web interface

