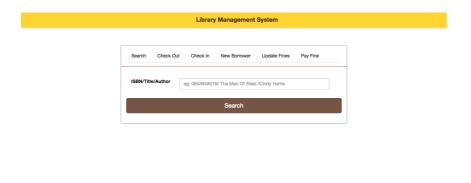# Library Management System

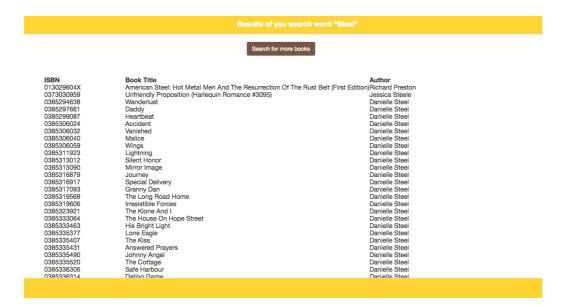The following features are implemented in the system -
- search for a book
- borrow books if a person has a valid library card
- borrowers are fined if the book is not returned within 14 days of checkout
- New Borrowers can be added given a valid SSN and phone number.

1. BOOK SEARCH AND AVAILABILITY –

In the space provided the librarian can enter a string to search for a book. The string could 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.

For example : On searching the word steel. We get the following results

ISBN	Book Title	Author
013029604X	American Steel: Hot Metal Men And The Resurrection Of The Rust Belt (First Edition)	Richard Preston
0373030959	Unfriendly Proposition (Harlequin Romance #3095)	Jessica Steele
0385294638	Wanderlust	Danielle Steel
0385297661	Daddy	Danielle Steel
0385299087	Heartbeat	Danielle Steel
0385306024	Accident	Danielle Steel
0385306032	Vanished	Danielle Steel
0385306040	Malice	Danielle Steel
0385306059	Wings	Danielle Steel
0385311923	Lightning	Danielle Steel
0385313012	Silent Honor	Danielle Steel
0385315090	Mirror Image	Danielle Steel
0385316879	Journey	Danielle Steel
0385316917	Special Delivery	Danielle Steel
0385317093	Granny Dan	Danielle Steel
0385319568	The Long Road Home	Danielle Steel
0385319606	Irresistible Forces	Danielle Steel
0385323921	The Klone And I	Danielle Steel
0385333064	The House On Hope Street	Danielle Steel
0385333463	His Bright Light	Danielle Steel
0385335377	Lone Eagle	Danielle Steel
0385335407	The Kiss	Danielle Steel
0385335431	Answered Prayers	Danielle Steel
0385335490	Johnny Angel	Danielle Steel
0385335520	The Cottage	Danielle Steel
0385336306	Safe Harbour	Danielle Steel
0385336314	Dating Game	Danielle Steel

2. BORROWING A BOOK:

To borrow a book from the library, the borrower should have a valid library card ID and an SSN. Each borrower can borrow up to three books without returning.
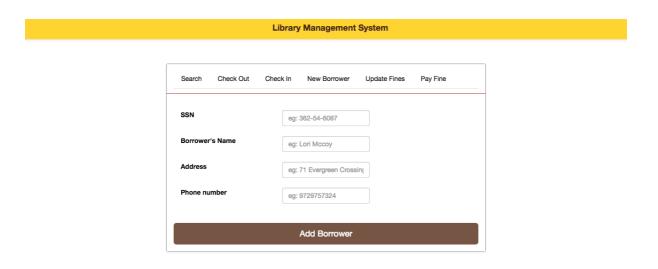
3. RETURNING A BOOK:

To return books, users must enter either their card ID or their name or also by entering the ISBN of the borrowed book. 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 a date for the returned dateof the book.

Return			
Go to main page			

ISBN	Card ID	Book Title	
3596122279	100	Das Superweib	Return Book
3596154766	100	Silberfaden	Return Book
9999364497	100	The Middle Button	Return Book

4. BORROWER MANAGEMENT:

Users can add new borrowers to the system by entering the details such as SSN, name of the borrower, address and phone number.
Each borrower is required to have a unique SSN.

Search	Check Out	Check In	New Borrower	Update Fines	Pay Fine

SSN   eg: 362-54-6087

Borrower's Name   eg: Lori Mccoy

Address   eg: 71 Evergreen Crossing

Phone number   eg: 9729757324

Add Borrower

5. FINES:

Fines are calculated when a borrower returns a book and when the fines table is updated manually. Fines are calculated as number of days multiplied by the difference of due_date and current date or difference of due_date and the date_in of that particular book.