Library Management System: Quick Starter Guide

The Library management system can be viewed from any internet browser and consists of five pages:

1) **Home page**
   The home page provides only one function- to display the list of all the book in the library.
   The page consists of a search bar followed by a search button.

   search term can be the name of a book, its ISBN of a part of the above strings. The system performs substring matching and displays all the available results. Next to every book name its status is displayed which denotes whether the book is available to be borrowed.

   The book is available if the status is yes otherwise it is already borrowed by another user and cannot be borrowed again until it is returned.
   NOTE: This page displays only the list of books and no other actions can be done on the list.

2) **Check in page**
   Other pages can be navigated to by clicking on the black buttons situated at the top of the page.

   The check in page allows the user to check in book that he wants. It consists of text fields to enter the ISBN of the book to be checked out and the Card ID of the user who wants to check out the particular book.

   In case that the user needs to look for the ISBN of his desired book, a search bar id provided below the 'check in' button which will display the list of book loans. Clicking on a particular entry from this list will add the ISBN of the selected book into the ISBN text box situated above the check in button. The user then just has to enter his card ID and the book will be checked in.
   NOTE: A book which is not borrowed will not be checked in. The user can use ISBN,card ID or user's first name to search. If the search bar returns an empty table, then the user has not borrowed any books.

3) Check Out page

The check out page needs card Id, ISBN and book title to be checked out. Textboxes are provided for each of these entries and need to be filled in order to check a book out. A search field is provide below the check out button which will display the list of books and clicking on any book in the list will add the details of the selected books to the corresponding textboxes. The user must enter his card ID to check out.

NOTE : A book that has its status as not in the 'available' column cannot be checked out. A user can only check out 3 books at a time. The fourth attempt will not result in a successful checkout.

4)Borrower Page

This page is used for registration of a new borrower. All the fields can be entered into to register a new borrower. The card ID for a new borrower will be created automatically by the system.

NOTE: If any of the required fields (mentioned on the page) are empty the user will not be registered. After the user is registered successfully. The created card ID will be displayed on the page.

5)Fines Page

The fines page allows payment of fines using the card ID. It also has a button to refresh the fines list and display it.The card ID can be entered manually by the current user or can be selected from the list.
NOTE: The list is displayed as the sum of all fines corresponding to every book borrowed by a user. The user cannot pay fines for individual books borrowed.
The user cannot pay the fine of any of the books he has borrowed is not returned.

The fines list contains entries for loans where fines are already paid and where fines are yet to be paid. All the entries where the fines are not paid will be displayed first (the top half of the table) followed by all the entries in the fines table where the fines are paid. The latter entries are for record purposes only and will not be changed.