**QUICK START GUIDE**

This guide is a short way of explaining what Library Management System is all about. This system is composed of many features that are accessed in the following way.

* **Authentication required:** As you open the application, you need to log in using the assigned username and password. The system makes sure that the security is preserved by not allowing unauthorized users to log in. It displays appropriate error message in case of incorrect username or password entered.
* **Library Homepage:** After a successful login, the system redirects the user to the homepage where tabs such as Home, Add Borrower, check out, check in, check fines, view books and a search field are located. The user can navigate through different tabs based on the need.
* **Add Borrower:** When a borrower approaches the librarian for book loan and he/she happened to be a new borrower, the librarian clicks on the Add borrower tab on the home page and enters the required details such as the Card\_id, first name(fname), last name(lname), ssn, address(street address,city,state), phone number and clicks on register button to complete the registration. When all the details entered are correct, a new borrower is added to the database.
* **Check Out:** A book can be checked out only to registered borrowers. The librarian enters the required details such as book isbn and card\_id in this case and clicks on issue button to check out a book to the registered borrower with the given card\_id. A book can be checked out only if it is available in the database and the borrower has no associated overdue fines.
* **Check in:** A book can be checked in by entering the isbn of the respective book that has to be checked in. If the book being checked in has an overdue fine, then the fine is calculated and displayed. Once the payment is done, the book can be checked in successfully.
* **Check fines:** This tab consists of all the fines associated with the registered borrower. The Borrower’s id (card\_id) is entered in the single text field visible to retrieve the fines information against that borrower.
* **View Books:** This tab on clicking, displays all the books in the database with isbn, title, author name and availability status.
* **Search Field:** This field can be used to search any information stored in the database. A substring pattern matching is applied in the background and all the records that match with the data in the search field are displayed.

The user can navigate through all the tabs just by clicking on the buttons. This ensures less human effort, more power.