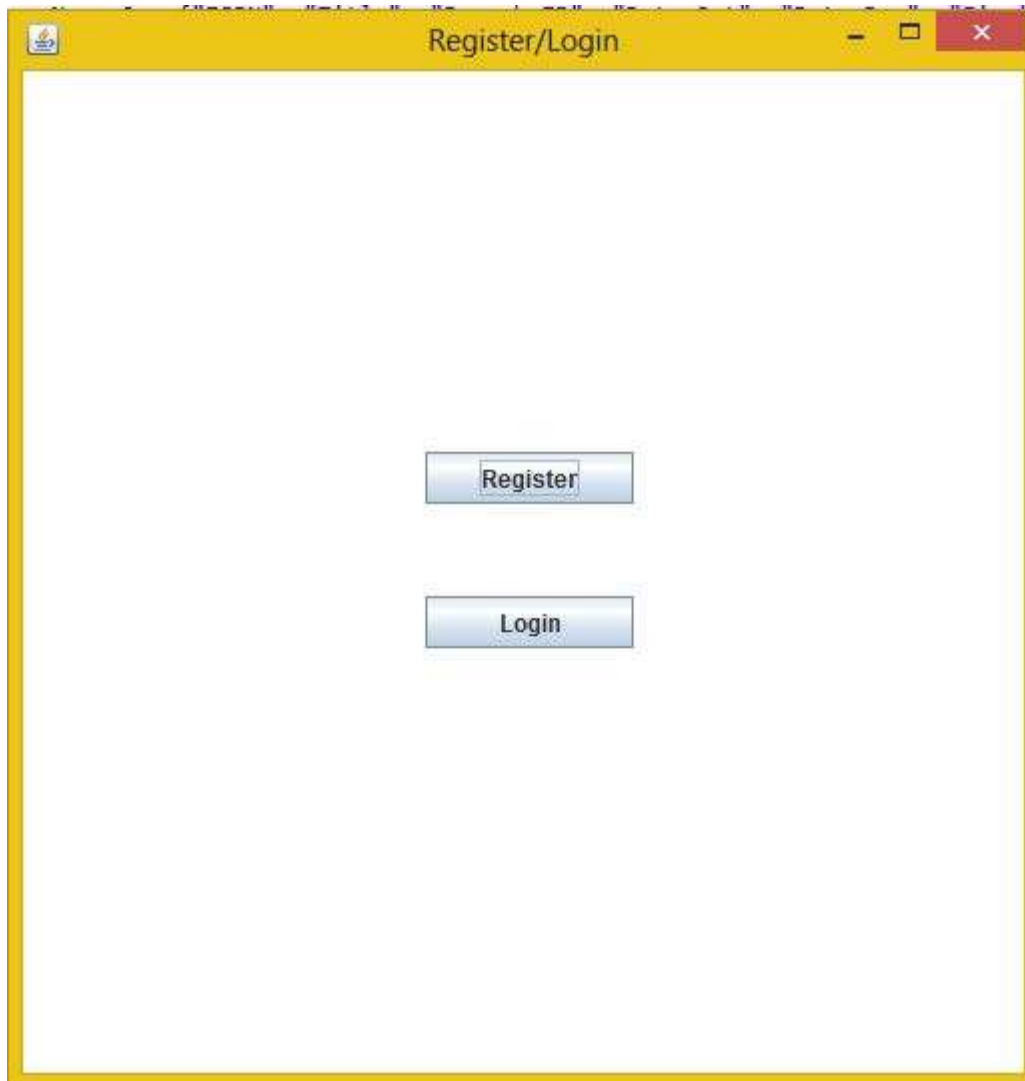The library management System has different functionalities like search book, borrow book, checkin a book, create new user etc.

Once you start the application, you will be redirected to the login and register page.

If you want to proceed with the existing user, select 'Login' option.

If you want to create a new borrower, select the 'Register' option.

a. **Login Option**
1. If you select the login option, you will be redirected to the User's First name and ID number page.
2. You have to enter the exactly same name that you used while creating the user detail.

The page looks like below.

Sign In

First Name

Card ID

Sign In   Back

3. When you click sign in option, you will be redirected to the main page of the system which looks as shown below.
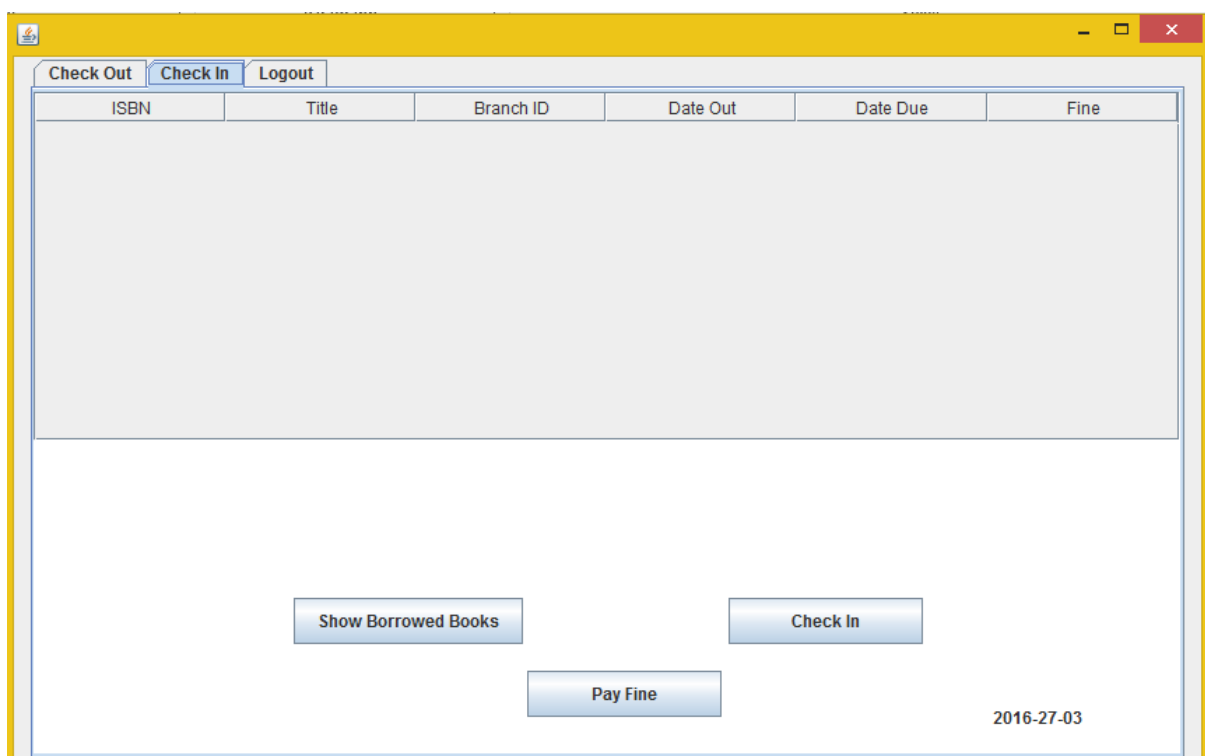

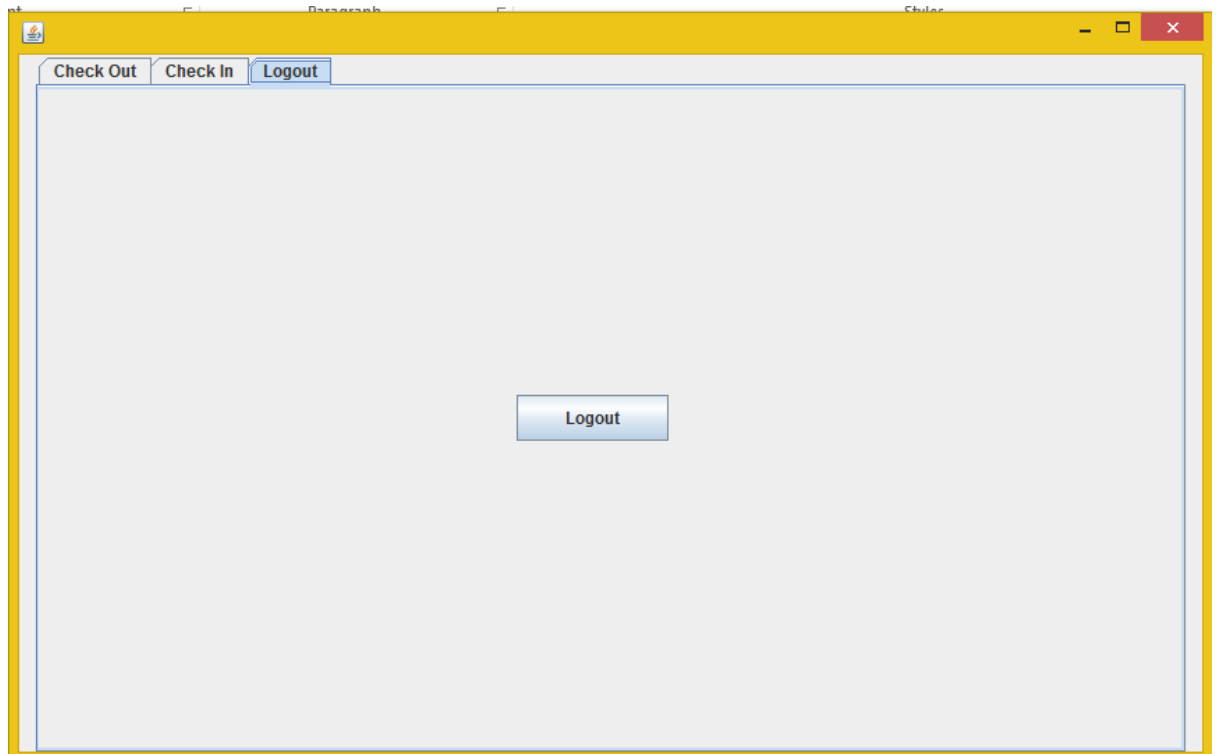
Check Out   Check In   Logout

ISBN10

Author Name

Title

Search   Check Out

Title	ISBN10	Author Name	Branch ID	Branch Name	Total	Available

4. If you want to search the book, enter the details into the desired fields provided and hit the search button.

5. If you want to Check Out a book, select the book and then hit the Check Out button and the book will be checked out. Now you can see that the book availability reduces by 1.

6. If you want to go to check in page, select the Check In Tab on the top of the System GUI. This will redirect you to the page which looks like shown below.

7. If you want to check the books borrowed by the borrower, select Show Borrowed Books button.

8. If you want to check in a book, first hit the 'Show Borrowed Books' button and then select the book that you want to Check In.

9. If the user has exceeded the time limit of 14 days, the fine will be automatically calculated and shown under the 'fine' column. You can not Check In a book until you pay a fine.

10. To pay a fine, hit the 'Pay Fine' button. And you can see that the fine amount will be reduced to 0.

11. To Logout from one user account, hit the Logout tab which will give you logout option. Then hit the Logout button.

B. Register Option

When you select the Register option instead of the Login option, it will redirect you to the new page which has the detailed form.

The page looks like below.

Enter the details appropriately and hit the Sign Up button.

Note that SSN, First Name, Last Name and Address fields are mandatory. You can not sign Up until you enter all those fields.