

Library Management System

User Manual

Version 1.0



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Library Management System

INTRODUCTION

Many library systems are operated manually by group of people. In such situations many people involved in the process of managing the library such a way that to keep records regarding the books & borrowers, check the books manually, keep records on issued books etc. all these things have to be carried out manually & if the library is large in content handling is also a problem. On the other hand keeping large amount of maintenance workers may cost a lot & it will not be efficient for a library. Manual record keeping is also not a reliable method as people tend to forget things

The project titled Library Management System is Library management software for monitoring and controlling the transactions in a library .The project “**Library Management System**” is developed in asp.net, which mainly focuses on basic operations in a library like adding new member, new books, and updating new information, searching books and members and facility to borrow and return books. This system is easy to use for searching and inserting new data for user.

The software Library Management System has four main modules.

- Log In
- Searching book
- Borrow book
- Add new book
- Return borrow book
- Add new member
- Borrow book list and Issue book List
- Log Out

Administrator User

User Name : Admin

Password : 123

Normal User

User Name: user

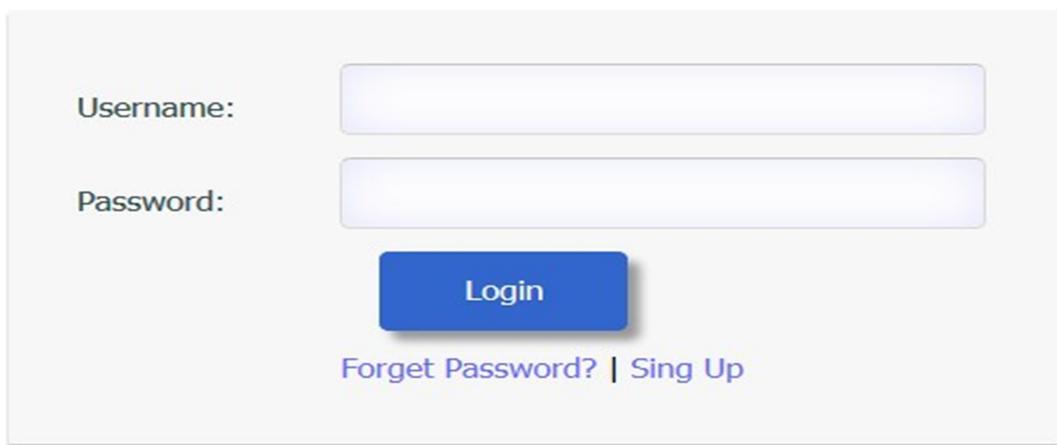
Password : 123

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Getting Started

1.1 User Login

Now for using System, insert user name and password which will be created by system and then click on Login button.



The image shows a user login interface. It consists of two input fields: 'Username:' and 'Password:', each with a light blue rounded rectangle placeholder. Below these is a large blue rectangular button with the word 'Login' in white. At the bottom of the interface, there are two small, faint blue links: 'Forget Password?' and 'Sing Up'.

Fig (1.1)

Library Management System

If user are not member, user will create member using click Sing Up and then fill require data. Can see figure 1.2.

Create New Member

User Name :

Password :

Address :

City :

Phone :

Email :

Fig (1.2)

You are member but forget your password, you can click forget password button by sending it to email associated to user name stored in database. Here, you must be fill your Gmail address and then can check your Gmail.

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A screenshot of a web-based forgot password form. At the top center, the text "Forget your password?" is displayed in bold blue font. Below it, a descriptive message reads: "Enter your email address to send your password. You may need to check your Email." A text input field contains the placeholder "example@gmail.com". At the bottom center is a blue rectangular button with the word "Submit" in white.

Fig (1.3)

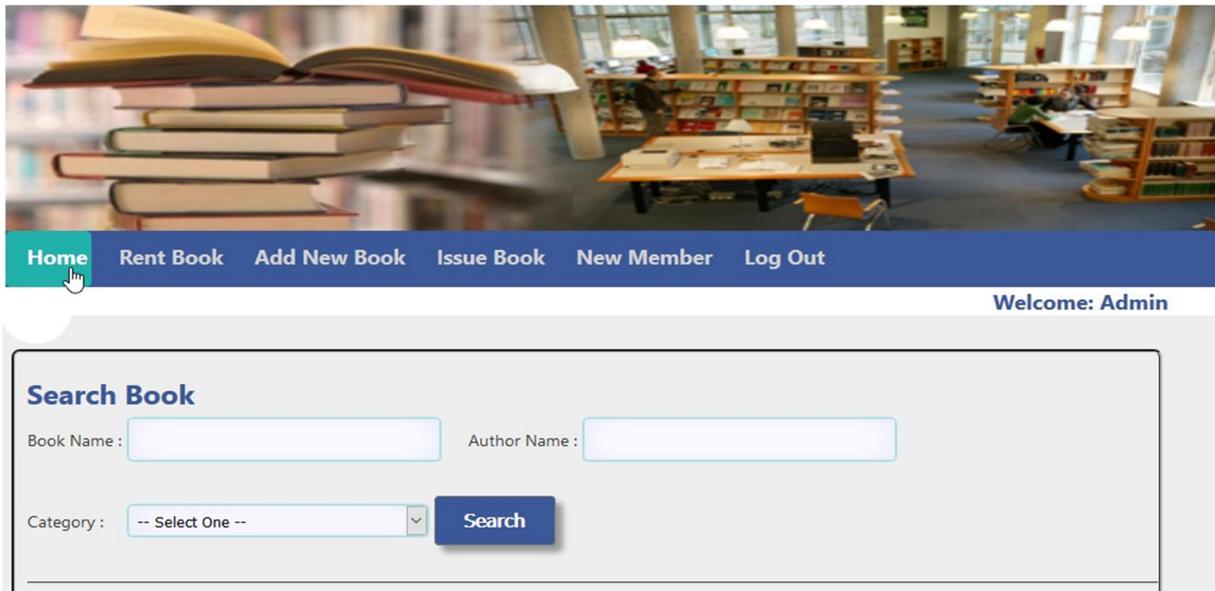
A screenshot of the same forgot password form as Fig (1.3), but with a different email address entered into the input field. The text input field now contains "giordan.09@gmail.com". The "Submit" button at the bottom is highlighted with a blue glow, indicating it is the active or next step.

Fig (1.4)

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2.1 Home Page or Search Book

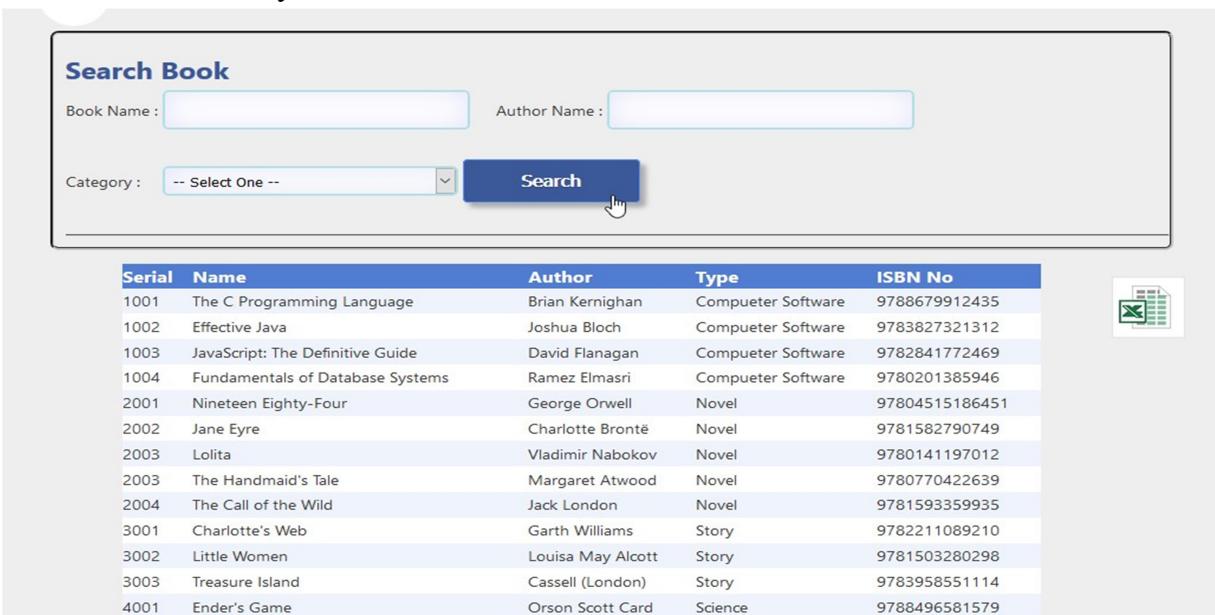
As soon as enter the system, you will see **Home page** that provides a search for the members in order to look after their favorite books based on different category i.e. book name, author, category. You can search by your criteria.



The screenshot shows a library interior with a large stack of books in the foreground. The interface includes a navigation bar with links for Home, Rent Book, Add New Book, Issue Book, New Member, and Log Out. A welcome message 'Welcome: Admin' is displayed. The main area is titled 'Search Book' and contains fields for Book Name, Author Name, and Category, along with a 'Search' button.

Fig (2.1)

Also you can search books without criteria. If you haven't criteria, you will see all books in this library.



The screenshot shows a search results page for 'Search Book'. It features a search form with fields for Book Name, Author Name, and Category, and a 'Search' button. Below the form is a table listing books. The table has columns for Serial, Name, Author, Type, and ISBN No. The first few rows of the table are:

Serial	Name	Author	Type	ISBN No
1001	The C Programming Language	Brian Kernighan	Computer Software	9788679912435
1002	Effective Java	Joshua Bloch	Computer Software	9783827321312
1003	JavaScript: The Definitive Guide	David Flanagan	Computer Software	9782841772469
1004	Fundamentals of Database Systems	Ramez Elmasri	Computer Software	9780201385946
2001	Nineteen Eighty-Four	George Orwell	Novel	97804515186451
2002	Jane Eyre	Charlotte Brontë	Novel	9781582790749
2003	Lolita	Vladimir Nabokov	Novel	9780141197012
2004	The Handmaid's Tale	Margaret Atwood	Novel	9780770422639
3001	The Call of the Wild	Jack London	Novel	9781593359935
3002	Charlotte's Web	Garth Williams	Story	9782211089210
3003	Little Women	Louisa May Alcott	Story	9781503280298
3004	Treasure Island	Cassell (London)	Story	9783958551114
4001	Ender's Game	Orson Scott Card	Science	9788496581579

Fig (2.2)

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Excel icon is provide that books list to export excel file from database.

The screenshot shows a 'Search Book' interface. On the left, there's a search form with fields for 'Book Name' and 'Category'. Below it is a table with columns 'Serial' and 'Name', listing various books like 'The C Programming Language', 'Effective Java', etc. On the right, there's a table with columns 'ISBN No' and 'Title', listing books by Nabokov, Atwood, London, Williams, Alcott, Cassell, and Scott Card. A central modal dialog titled 'Opening Books.xls' asks what to do with the file, with options to 'Open with Microsoft Excel (default)', 'Save File' (which is selected), and a checkbox for 'Do this automatically for files like this from now on.' An 'OK' button is at the bottom right of the dialog. In the top right corner of the main window, there's an icon of an Excel spreadsheet with a cursor over it.

Fig (2.3)

3.1 Borrowing Book (or) Rent Book

This module is allowing user to borrow book. Must be fill borrower name, book category type, start date, end date and choose one or more book by clicking **Add Book** button and then name of book selecting item in the next book list page.

The screenshot shows a library interface. At the top, there's a navigation bar with 'Home', 'Rent Book' (which is highlighted in green), 'Add New Book', 'Issue Book', 'New Member', and 'Log Out'. To the right of the navigation bar, it says 'Welcome: Admin'. Below the navigation bar, the title 'Create Rent Book' is displayed. The form contains fields for 'Member Name' (set to 'user'), 'Category' (set to 'Computer Software'), 'Start Date' (set to '07/05/2017 11:22'), and 'Issue Date' (set to '03/05/2017 11:22'). There are two buttons at the bottom: 'Submit' and 'Add Book'.

Fig (3.1)

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When the click of **Add Book** button, will appear book list page and user can select to want borrow book. Then click **Submit** button to add books for borrows.

Add Book function can choose by selecting category.

The screenshot shows a library interior with bookshelves and tables. At the top, a navigation bar includes links for Home, Rent Book, Add New Book, Issue Book, New Member, and Log Out. A welcome message 'Welcome: Admin' is displayed. Below the navigation bar is a table grid showing four books. The second book, 'Effective Java', has its checkbox checked. A large blue 'Submit' button is at the bottom left of the grid.

Serial	Name	Author	Type	ISBN No
<input checked="" type="checkbox"/> 1001	The C Programming Language	Brian Kernighan	Computer Software	9788679912435
<input checked="" type="checkbox"/> 1002	Effective Java	Joshua Bloch	Computer Software	9783827321312
<input type="checkbox"/> 1003	JavaScript: The Definitive Guide	David Flanagan	Computer Software	9782841772469
<input type="checkbox"/> 1004	Fundamentals of Database Systems	Ramez Elmasri	Computer Software	9780201385946

Fig (3.2)

After click **Submit** button, will show selected books below of the Create Rent Book with grid view.

The screenshot shows the 'Create Rent Book' page. It has fields for Member Name (Kyaw Zin Oo), Category (Computer Software), Start Date (08/05/2017 22:42), and Issue Date (04/05/2017 22:42). Below these are two buttons: 'Submit' and 'Add Book'. At the bottom, a grid shows the selected books from Fig (3.2): 'The C Programming Language' and 'Effective Java'.

Serial	Name	Author	Type	ISBN No
1001	The C Programming Language	Brian Kernighan	Computer Software	9788679912435
1002	Effective Java	Joshua Bloch	Computer Software	9783827321312

Fig (3.3)

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4.1 Add New Book

Add New Book module is used to entry new book information. User can fill book serial , book name, author name, ISBN number and chose book category type. And aslo upload book photo from image store path. Upload button is allow to preview upload book image. This module is allowed only Administrator role user. Normal user is can not access Book Entry Module. If user filled book information, User will store new book information to database by clicking **Submit** button. When the selected category , Serial Number is auto generate.

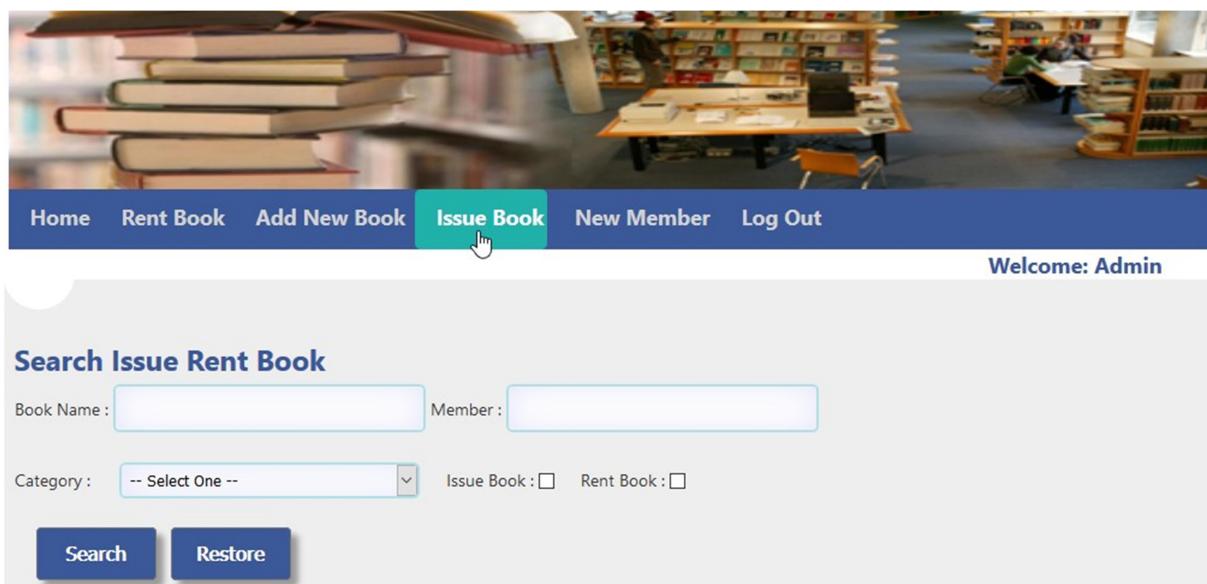
The screenshot shows the 'Add New Book' page of the Library Management System. At the top, there is a navigation bar with links: Home, Rent Book, Add New Book (which is highlighted in green), Issue Book, New Member, and Log Out. To the right of the navigation bar, it says 'Welcome: Admin'. Below the navigation bar, the main content area has a title 'Insert information of New Book'. There are five input fields: 'Serial Number', 'Book Name', 'Author', 'ISBN', and 'Select Category' (with a dropdown menu showing '-- Select One --'). To the right of these fields is a stack of books image. Below the input fields is a file upload section with 'Browse...' and 'Upload' buttons, showing 'No file selected.'. At the bottom left is a 'Submit' button.

Fig (4.1)

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5.1 Issue Book

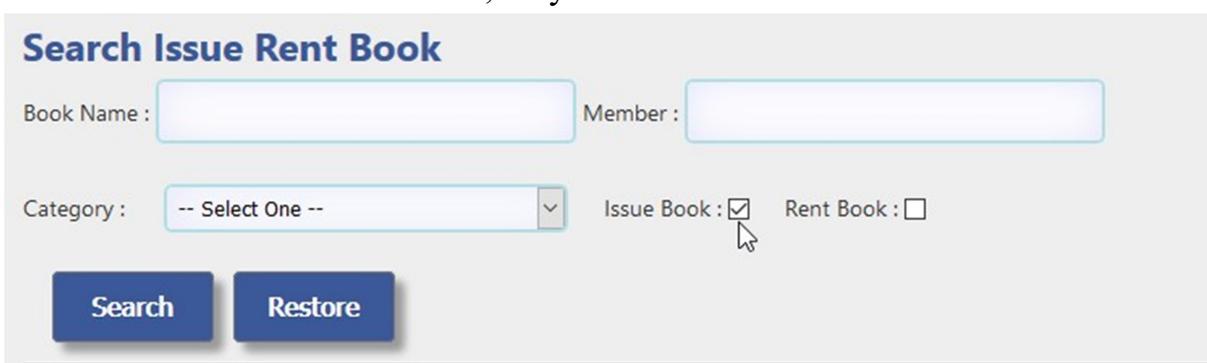
In this module, user can use three functions. Searching borrow books list history, Searching borrow issue book list history and can return borrow books to the system. User can search by book name, member name and category criteria. Also can search all history without criteria.



The screenshot shows a library interior with bookshelves and tables. At the top, there is a navigation bar with links: Home, Rent Book, Add New Book, Issue Book (which is highlighted in green), New Member, and Log Out. Below the navigation bar, it says "Welcome: Admin". The main area is titled "Search Issue Rent Book" and contains fields for Book Name, Member, Category (with a dropdown menu showing "-- Select One --"), and checkboxes for Issue Book and Rent Book. There are also "Search" and "Restore" buttons.

Fig (5.1)

If selected Issue Book check box, only over due date borrow books list will show.



This screenshot shows the same search form as Fig (5.1). The "Issue Book" checkbox is checked, while the "Rent Book" checkbox is unchecked. The rest of the interface is identical to Fig (5.1).

Fig (5.2)

Library Management System

If selected Rent Book check box, only borrow books list will show.

Search Issue Rent Book

Book Name : Member :

Category : Issue Book : Rent Book :

Search **Restore**

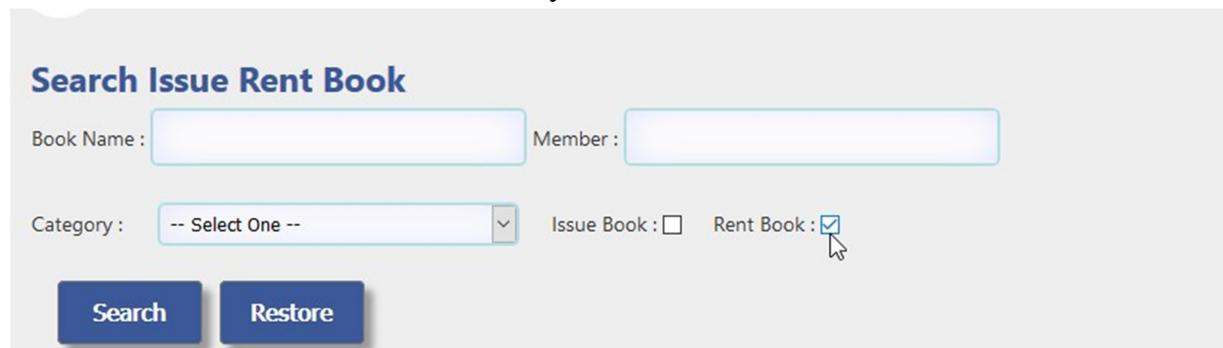


Fig (5.3)

If selected both check box, all book history will show without return book data. And then Search button can click to show history data. Excel Button is to export data with excel file.

Search Issue Rent Book

Book Name : Member :

Category : Issue Book : Rent Book :

Search **Restore**

MemberBook	Type	Start Date	Issue Date	Day
<input type="checkbox"/> User The C Programming Language	Computer Software	07/05/2017	03/05/2017	-4
<input type="checkbox"/> User Effective Java	Computer Software	07/05/2017	03/05/2017	-4



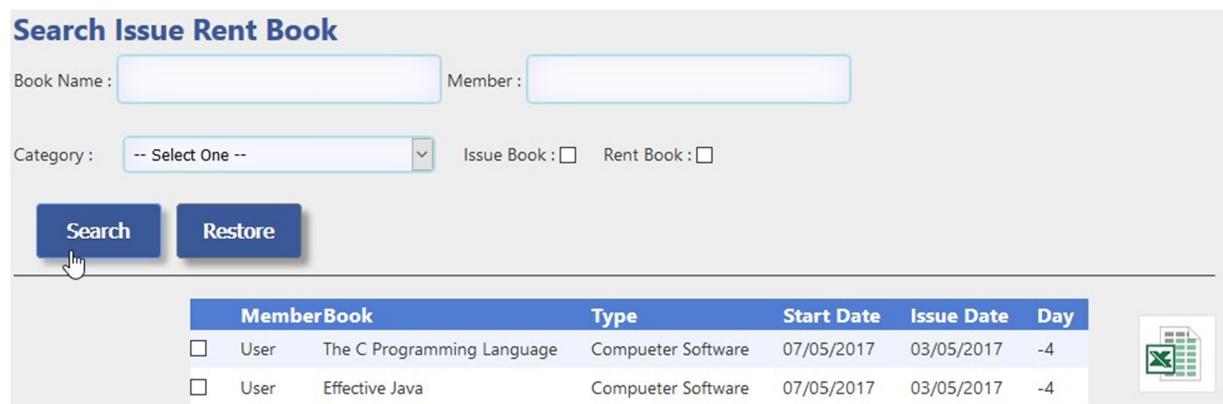


Fig (5.4)

Library Management System

6.1 Add New Member

The next module is to create new member registration. In this module, user can use for Searching member list, updating member data, inserting new member , remove member and allow active or not active member status. Category selection Control is to search member by selected member for update and remove information. If active box is checked, selected member are allowed to access the system. If not, selected member are not allowed to access the system. When the selected user role , registration ID is auto generate.

The screenshot shows the 'Create New Member' page. At the top, there is a navigation bar with links: Home, Rent Book, Add New Book, Issue Book, New Member, and Log Out. To the right of the navigation bar, it says 'Welcome: Admin'. Below the navigation bar, the main form has the title 'Create New Member'. It contains several input fields and dropdown menus:

- Member Name :
- City :
- Search
- Select Member :
- Registration ID :
- Email :
- User Role :
- Phone :
- Member Name :
- City :
- Password : Active
- Address :
-

At the bottom, there is a table showing existing member data:

Member ID	Name	Email	City	Address	Phone
C001	Admin	giodana.09@gmail.com	Kyaunk Myaung	Yangon	09795557432

Fig (6.1)

User can exit from the system by clicking Log Out menu. When the click log out, Login page will again.

Thank You!