

USER MANUAL

FOR

Library Management

System (LMS)

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1. Introduction

This is the user manual for the Library Management System (LMS), which is made to streamline library operations, and improve the overall library experience. This manual is crafted to guide librarians, administrators or even normal users. With a step-by-step procedural guide, this user manual serves as a detailed reference for users to make the most of LMS.

2. Scope and Purpose

To design and develop a library management system that will enable easier management for the librarians or administrators to keep track of the books going in and out of the library. It also serves as a place for normal users to browse the available books, and manage their loan and payment (if applicable). The LMS provides functionalities such as cataloging, issuing, returning, payment and fine management.

While the LMS is a useful tool, it's essential to note that it may not cover specialized functionalities outside the scope of general library management.

3. Process Overview

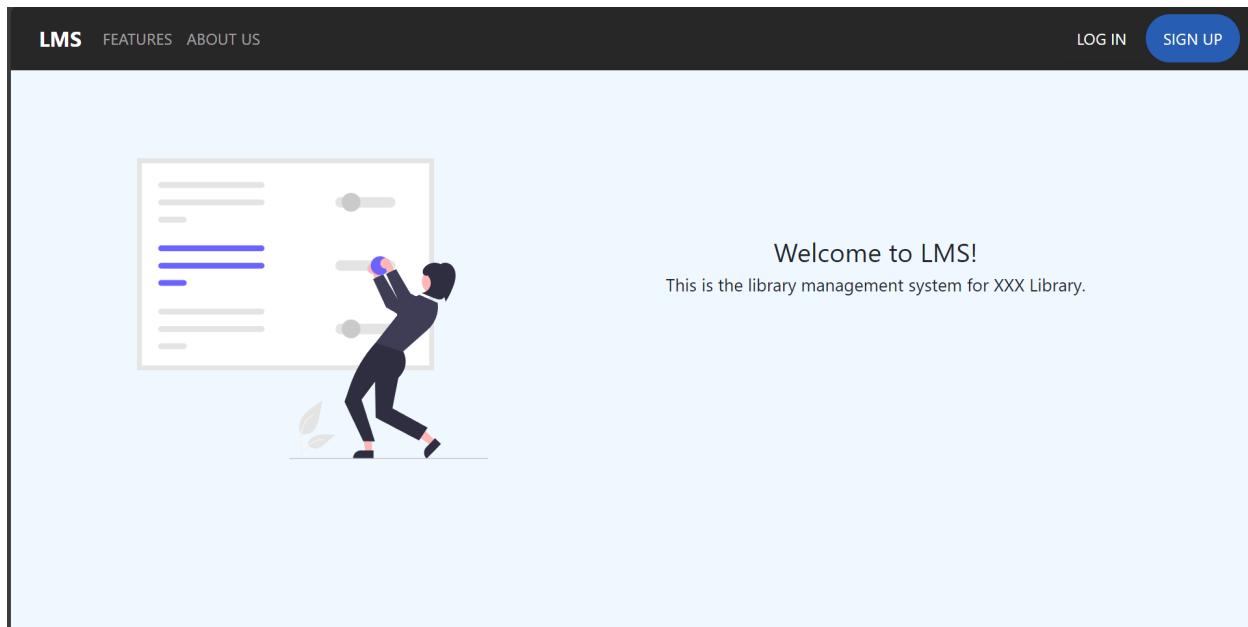
Workflow:

- Account creation - Sign up
- Log In
- Admin User
 - a) Dashboard
 - b) Add Books
 - c) Create Account
 - d) Manage Accounts
 - e) Issue Books
 - f) Return Books
 - g) Manage Loans
 - h) Manage Fines
 - i) Payment Logs
- Regular user (Library Patrons/Members)
 - a) Home
 - b) All Books
 - c) Loan History
 - d) Fines
 - e) Payment
 - f) Payment History
- Account Settings
 - a) Profile
 - b) Address
 - c) Password

4. Workflow

4.1 Account creation – Sign up via email:

Clicking Sign Up



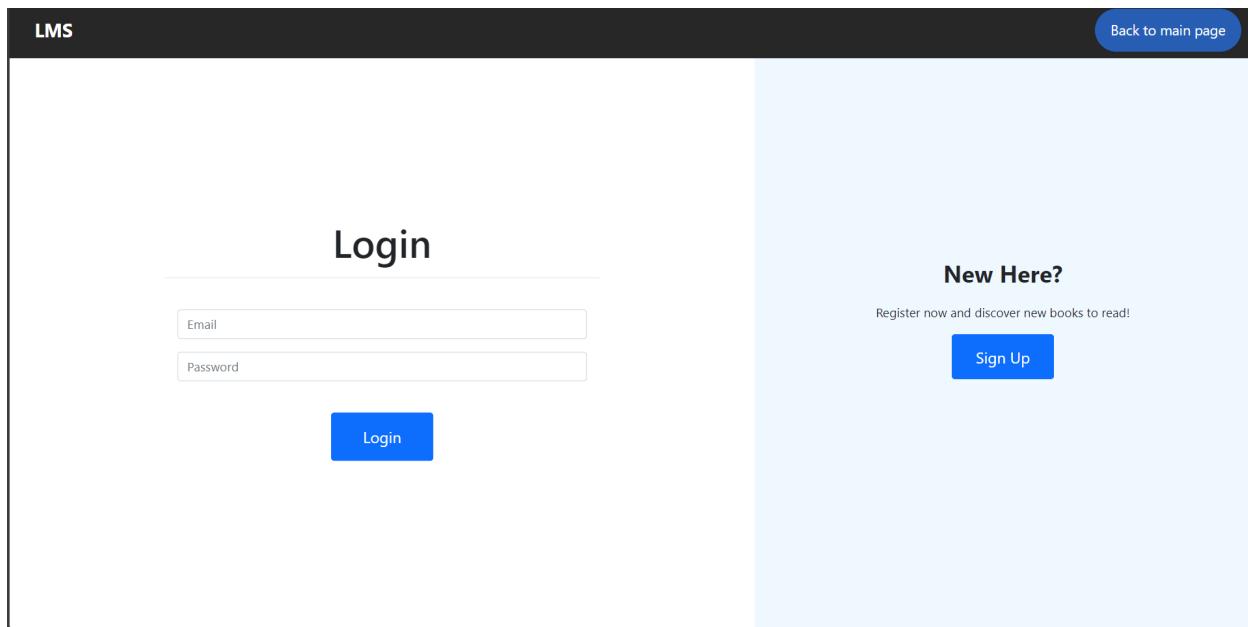
You will be directed to a registration page. Fill in the details accordingly.

The registration page has a header "Registration". On the left, there is a sidebar with the text "Already has an account?" and a "Login" button. The main form area contains fields for First Name, Last Name, Email, Gender, Password, Confirm Password, Date of Birth, Address Line 1, Address Line 2, Postal Code, Library Card Number, and a checkbox for accepting Terms and Conditions. A "Sign Up" button is located at the bottom right of the form.

First Name	Last Name
Enter first name	Enter last name
Email	Gender:
Enter email address	<input type="radio"/> Male <input type="radio"/> Female <input type="radio"/> Others
Password	Confirm Password
Enter password	Confirm password
Date of Birth	
mm/dd/yyyy	(calendar icon)
Address Line 1	Address Line 2
Address Line 1	Address Line 2
Postal Code	Library Card Number
Postal Code	
<input type="checkbox"/> I accept the Terms and Conditions	
Sign Up	

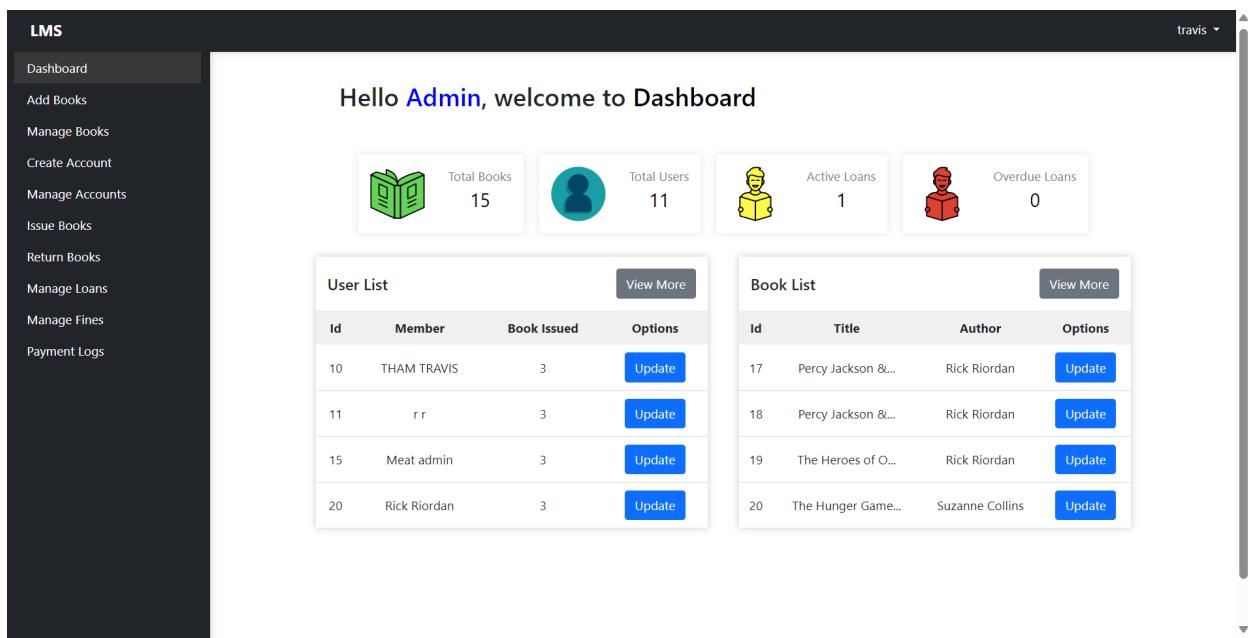
4.2 Log In

Type in email address and password:



The screenshot shows the LMS login page. At the top left is the 'LMS' logo. At the top right is a 'Back to main page' button. The main title 'Login' is centered above two input fields: 'Email' and 'Password'. Below these is a blue 'Login' button. To the right, there's a 'New Here?' section with a 'Sign Up' button and a link to register new users.

At the main page after logging in:



The screenshot shows the LMS dashboard after logging in. The left sidebar has a dark background with white text and icons for various management functions: Dashboard, Add Books, Manage Books, Create Account, Manage Accounts, Issue Books, Return Books, Manage Loans, Manage Fines, and Payment Logs. The main area is titled 'Hello Admin, welcome to Dashboard'. It features four summary cards: 'Total Books 15' (book icon), 'Total Users 11' (person icon), 'Active Loans 1' (person reading icon), and 'Overdue Loans 0' (book icon). Below these are two tables: 'User List' and 'Book List', each with a 'View More' button at the top right. The 'User List' table has columns for Id, Member, Book Issued, and Options. The 'Book List' table has columns for Id, Title, Author, and Options. Both tables show a list of items with an 'Update' button in the last column.

User List			
Id	Member	Book Issued	Options
10	THAM TRAVIS	3	<button>Update</button>
11	r r	3	<button>Update</button>
15	Meat admin	3	<button>Update</button>
20	Rick Riordan	3	<button>Update</button>

Book List			
Id	Title	Author	Options
17	Percy Jackson &...	Rick Riordan	<button>Update</button>
18	Percy Jackson &...	Rick Riordan	<button>Update</button>
19	The Heroes of O...	Rick Riordan	<button>Update</button>
20	The Hunger Game...	Suzanne Collins	<button>Update</button>

4.3 Admin user

4.3.1 Dashboard:

When logged in, the administrator will first see the dashboard. This page gives the administrator the general outlook of the management system, where they are able to keep track of the books going in and out of the library. They are also able to get a preview of the latest books and users.

The screenshot shows the LMS Admin Dashboard. On the left is a dark sidebar with the LMS logo and a list of navigation items: Dashboard, Add Books, Manage Books, Create Account, Manage Accounts, Issue Books, Return Books, Manage Loans, Manage Fines, and Payment Logs. The main content area has a header "Hello Admin, welcome to Dashboard". Below the header are four summary cards: "Total Books 15" (book icon), "Total Users 11" (person icon), "Active Loans 1" (yellow person reading), and "Overdue Loans 0" (red person reading). Two tables follow: "User List" and "Book List".

User List			
ID	Member	Book Issued	Options
10	THAM TRAVIS	3	<button>Update</button>
11	r r	3	<button>Update</button>
15	Meat admin	3	<button>Update</button>
20	Rick Riordan	3	<button>Update</button>

Book List			
ID	Title	Author	Options
17	Percy Jackson &...	Rick Riordan	<button>Update</button>
18	Percy Jackson &...	Rick Riordan	<button>Update</button>
19	The Heroes of O...	Rick Riordan	<button>Update</button>
20	The Hunger Game...	Suzanne Collins	<button>Update</button>

4.3.2 Add Books:

The administrator can add new books to be part of the library.

The screenshot shows the 'Add Books' page of a Library Management System (LMS). The left sidebar contains a navigation menu with options like Dashboard, Add Books (which is selected), Manage Books, Create Account, Manage Accounts, Issue Books, Return Books, Manage Loans, Manage Fines, and Payment Logs. The main content area is titled 'Add Books' and includes fields for Title, Description, Category, Publication Date, Book Image, Author First Name, and Author Last Name. A blue 'Add' button is at the bottom right. The top right corner shows a user profile with the name 'travis'.

Add Books

Title
Enter title

Description
Enter description

Category
Enter category

Publication Date
Enter publication year

Book Image
Choose File No file chosen

Author First Name
Enter author's first name

Author Last Name
Enter author's last name

Add

4.3.3 Manage Books:

In the manage books section, the administrator can search for any specific books based on the search filters. They can choose what they wish to search by, the status they want, and the sort type and order they need. On this part of the system, one can also choose to update the book they want, delete the book that's no longer part of the library and even check the loan history of each book.

LMS

travis ▾

- Dashboard
- Add Books
- Manage Books
- Create Account
- Manage Accounts
- Issue Books
- Return Books
- Manage Loans
- Manage Fines
- Payment Logs

Manage Books

Type query Add Filters

Book	Title	Author	Category	Publication Year	Description	Status	Actions
	Harry Potter and the Sorcerer Stone	J.K. Rowling	Fantasy	1994	Ever since Harry Potter had come home for the summer, the Dursleys had been so mean and hideous that all Harry wanted was to get back to the Hogwarts School for Witchcraft and Wizardry. But just as he's packing his bags, Harry receives a warning from a strange impish creature who says that if Harry returns to Hogwarts, disaster will strike. And strike it does. For in Harry's second year at Hogwarts, fresh torments and horrors arise, including an	CHECKED_OUT	<button>Update</button> <button>Delete</button> <button>Loans</button>

LMS

travis ▾

- Dashboard
- Add Books
- Manage Books
- Create Account
- Manage Accounts
- Issue Books
- Return Books
- Manage Loans
- Manage Fines
- Payment Logs

Filters

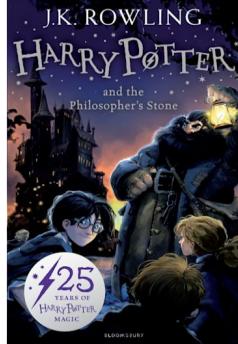
Search By:

Status Filter: All Available Checked Out

Sort By: Order:

Book	Title	Author	Category	Publication Year	Description	Status	Actions
	Harry Potter and the Sorcerer Stone	J.K. Rowling	Fantasy	1994	Ever since Harry Potter had come home for the summer, the Dursleys had been so mean and hideous that all Harry wanted was to get back to the Hogwarts School for Witchcraft and Wizardry. But just as he's packing his bags, Harry receives a warning from a strange impish creature who says that if Harry returns to Hogwarts, disaster will strike. And strike it does. For in Harry's second year at Hogwarts, fresh torments and horrors arise, including an	CHECKED_OUT	<button>Update</button> <button>Delete</button> <button>Loans</button>

Update Book



Title:

Category:

Description:

LMS

Dashboard

Add Books

Manage Books

Create Account

Manage Accounts

Issue Books

Return Books

Manage Loans

Manage Fines

Payment Logs

Book	Title
	Harry Potter and the Sorcerer Stone

Title:

Category:

Description:

Status:

Actions:

- [Update](#)
- [Delete](#)
- [Loans](#)

Alex Rider **Anthony** **Action** **2020** **A new and dangerous criminal organization—** **AVAILABLE** [Update](#)

In the loan history page that is directed from the manage books section, the administrator has the ability to update or delete the loans. Additionally, search filters are also available here if a specific loan is needed to be found.

LMS

Dashboard Add Books Manage Books Create Account Manage Accounts Issue Books Return Books Manage Loans Manage Fines Payment Logs

[< Back to manage books](#)

Loan History

Type query Add Filters

Loan Id	Member Id	Name	Loan Date/Time	Due Date/Time	Returned Date/Time	Status	Days Overdue	Fine	Actions
8	1	travis tham	2023-09-17, 01:55:00	2023-09-26, 01:55:00	2023-10-03, 23:24:45	RETURNED	7	7.0	<button>Update</button> <button>Delete</button>
13	15	Nathan admin	2023-09-26, 23:24:00	2023-10-02, 23:24:00	2023-10-17, 16:21:06	RETURNED	14	14.0	<button>Update</button> <button>Delete</button>
14	15	Nathan admin	2023-11-18, 23:08:00	2023-11-19, 23:08:00	2023-11-20, 23:09:44	RETURNED	1	1.0	<button>Update</button> <button>Delete</button>
15	4	michael	2023-11-21,	2023-11-28,		OVERDUE	7	7.0	<button>Update</button>

LMS

Dashboard Add Books Manage Books Create Account Manage Accounts Issue Books Return Books Manage Loans Manage Fines Payment Logs

[< Back to manage books](#)

Filters

Search By: Any

Status Filter: All Overdue Active Returned

Sort By: Order:

Loan Id Member Id Name Loan Date/Time Due Date/Time Returned Date/Time Status Days Overdue Fine Actions

8	1	travis tham	2023-09-17, 01:55:00	2023-09-26, 01:55:00	2023-10-03, 23:24:45	RETURNED	7	7.0	<button>Update</button> <button>Delete</button>
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LMS

Dashboard Add Books Manage Books Create Account Manage Accounts Issue Books Return Books Manage Loans Manage Fines Payment Logs

Update Loan

Loan Id: 8

Member: 1 travis tham

Book: 1 Harry Potter and the Sorcerer Stone

Loan Date/Time: 09/17/2023 01:55 AM

Due Date/Time: 09/26/2023 01:55 AM

Returned Date/Time: 10/03/2023 11:24:45 PM

Status: RETURNED

LMS

Dashboard

Add Books

Manage Books

Create Account

Manage Accounts

Issue Books

Return Books

Manage Loans

Manage Fines

Payment Logs

< Back to manage books

Loan Id: 8

Member Id: 1

Name: travis tham

Book Id: 1

Title: Harry Potter and the Sorcerer Stone

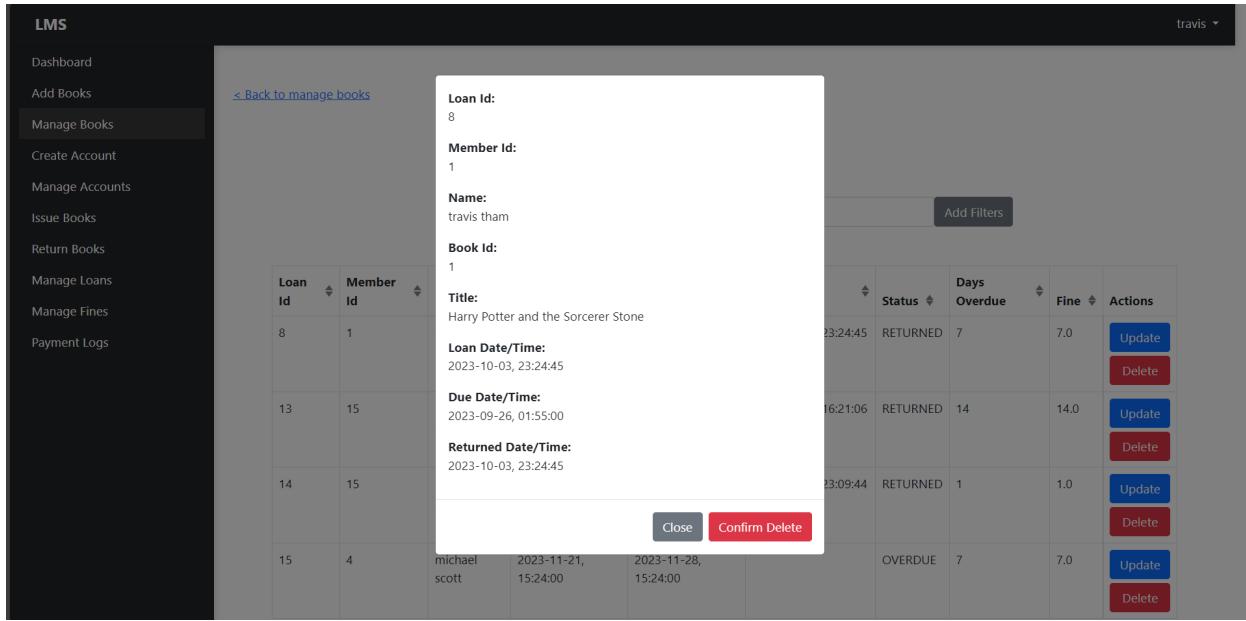
Loan Date/Time: 2023-10-03, 23:24:45

Due Date/Time: 2023-09-26, 01:55:00

Returned Date/Time: 2023-10-03, 23:24:45

Loan Id	Member Id	Status	Days Overdue	Fine	Actions
8	1	RETURNED	7	7.0	<button>Update</button> <button>Delete</button>
13	15	RETURNED	14	14.0	<button>Update</button> <button>Delete</button>
14	15	RETURNED	1	1.0	<button>Update</button> <button>Delete</button>
15	4	OVERDUE	7	7.0	<button>Update</button> <button>Delete</button>

Close Confirm Delete



4.3.4 Create Account:

This page allows the administrator to create user accounts.

LMS

Dashboard

Add Books

Manage Books

Create Account

Manage Accounts

Issue Books

Return Books

Manage Loans

Manage Fines

Payment Logs

Create Account

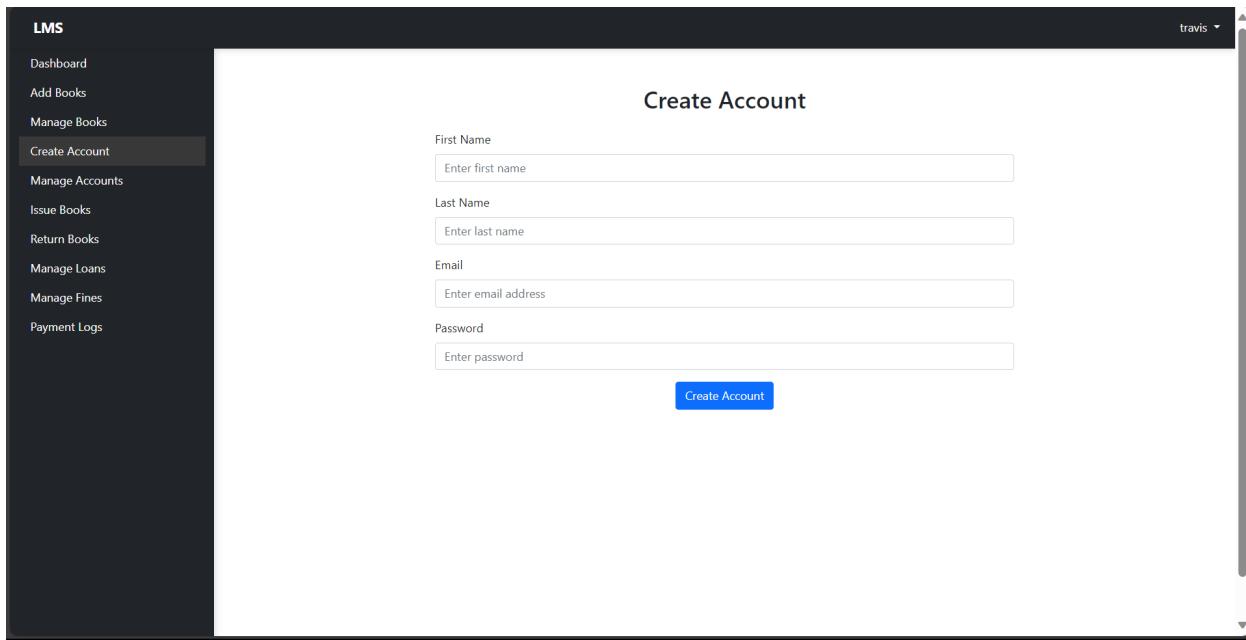
First Name
Enter first name

Last Name
Enter last name

Email
Enter email address

Password
Enter password

Create Account



4.3.5 Manage Accounts:

Similarly to managing books, managing accounts follows the same format and concept. One can search for specific accounts based on the search filters. Here, the administrator has the option to update, delete any accounts, as well as to view the loan history for each account.

The screenshots show the LMS application's interface for managing accounts across three different views:

- Screenshot 1: Main Manage Accounts View**

This view shows a table of accounts with columns: Member Id, First Name, Last Name, Email, Role(s), and Actions. A search bar at the top shows "sc". The table contains one row for Michael Scott (Member Id 4). The Actions column includes "Update", "Delete", and "Loan History".

Member Id	First Name	Last Name	Email	Role(s)	Actions
4	michael	scott	michaelscott@gmail.com	ROLE_MEMBER	<button>Update</button> <button>Delete</button> <button>Loan History</button>
- Screenshot 2: Filter Overlay**

A modal overlay titled "Filters" is displayed over the main table. It contains sections for "Search By:" (with a dropdown menu showing "Any"), "Status Filter:" (radio buttons for All, Admin, Member, with All selected), "Sort By:" (dropdown for Member Id, currently set to Ascending), and "Order:" (dropdown for Role(s)). At the bottom is a blue "Apply Filters" button.
- Screenshot 3: Update Account View**

This view shows a form for updating an account. It has fields for First Name (george), Last Name (lim), Email (georgelim@gmail.com), and Role(s) (ROLE_MEMBER). Below the form are two buttons: "Save Changes" and "Back to manage accounts".

First Name:	george
Last Name:	lim
Email:	georgelim@gmail.com
Role(s):	ROLE_MEMBER

Save Changes Back to manage accounts

LMS

- Dashboard
- Add Books
- Manage Books
- Create Account
- Manage Accounts**
- Issue Books
- Return Books
- Manage Loans
- Manage Fines
- Payment Logs

Manage Accounts

Member Id	First Name	Last Name	Role(s)	Actions
1	travis	george	LE_ADMIN	Update Delete Loan History
2	Jia Xuan	lim	LE_MEMBER	Update Delete Loan History
3	Daniel		LE_MEMBER	Update Delete Loan History
4	michael		LE_MEMBER	Update Delete Loan History
5	george		LE_MEMBER	Update Delete Loan History

[Close](#) [Confirm Delete](#)

Page 1 out of 3

In the loan history page that is directed from the manage accounts section, the administrator has the ability to update or delete the loans. Additionally, search filters are also available here if a specific loan is needed to be found.

LMS

- Dashboard
- Add Books
- Manage Books
- Create Account
- Manage Accounts**
- Issue Books
- Return Books
- Manage Loans
- Manage Fines
- Payment Logs

[< Back to manage accounts](#)

Loan History

Loan Id	Book Id	Title	Loan Date/Time	Due Date/Time	Returned Date/Time	Status	Days Overdue	Fine	Actions
15	1	Harry Potter and the Sorcerer Stone	2023-11-21, 15:24:00	2023-11-28, 15:24:00		OVERDUE	6	6.0	Update Delete

LMS

- Dashboard
- Add Books
- Manage Books
- Create Account
- Manage Accounts**
- Issue Books
- Return Books
- Manage Loans
- Manage Fines
- Payment Logs

[< Back to manage accounts](#)

Filters

Search By:

Status Filter: All Overdue Active Returned

Sort By: **Order:**

[Apply Filters](#)

Loan Id	Book Id	Title	Loan Date/Time	Due Date/Time	Returned Date/Time	Status	Days Overdue	Fine	Actions
8	1	Harry Potter and the Sorcerer Stone	2023-09-17, 01:55:00	2023-09-26, 01:55:00	2023-10-03, 23:24:45	RETURNED	7	7.0	Update Delete

LMS

- Dashboard
- Add Books
- Manage Books
- Create Account
- Manage Accounts
- Issue Books
- Return Books
- Manage Loans**
- Manage Fines
- Payment Logs

Update Loan

Loan Id:

Member Id / Name:

Book Id / Title:

Loan Date/Time: Edit

Due Date/Time: Edit

Returned Date/Time: Edit

Status:

Save Changes Back

LMS

- Dashboard
- Add Books
- Manage Books
- Create Account
- Manage Accounts**
- Issue Books
- Return Books
- Manage Loans
- Manage Fines
- Payment Logs

[< Back to manage accounts](#)

Loan Id:	8	Member Id:	1	Add Filters
Name:	travis tham			
Book Id:	1	Title:	Harry Potter and the Sorcerer Stone	
Loan Date/Time:	2023-10-03, 23:24:45			
Due Date/Time:	2023-09-26, 01:55:00			
Returned Date/Time:	2023-10-03, 23:24:45			

Close Confirm Delete

4.3.6 Issue Books:

This is where the administrator can issue/loan out books to members. They can set the loan and due date.

The screenshot shows the 'Issue Books' page of the LMS. On the left is a dark sidebar menu with options: Dashboard, Add Books, Manage Books, Create Account, Manage Accounts, Issue Books (which is selected and highlighted in grey), Return Books, Manage Loans, Manage Fines, and Payment Logs. The main content area has a title 'Issue Books'. It contains four input fields: 'Book' (with value 'Alex Rider Nightshade'), 'Member' (with value 'travis tham'), 'Loan Date' (a date input field), and 'Due Date' (a date input field). A blue 'Issue' button is located below the fields.

4.3.7 Return Books:

Here, the administrator can choose the book and the member that has borrowed the book. If detected that it exists in the database, it will display as such.

The screenshot shows the 'Return Books' page of the LMS. The sidebar menu is identical to the one in the previous screenshot. The main content area has a title 'Return Books' and a section titled 'Search Existing Loans'. It contains two dropdown menus: 'Select a Book' and 'Select a Member'. Below these is a dark 'Search' button.

4.3.8 Manage Loans

Here is where the administrator can manage all the loans. Under **4.3.3 Manage Books** and **4.3.5 Manage Accounts**, one can find the loan history corresponding to the respective books or accounts. The difference here is that the administrator can find and manage all the loans here, not just loans related to one account or book.

On this page, update and delete functions are available. The search filter is also present to assist the user in finding any specific loans.

Loan Id	Book Id	Title	Member Id	Name	Loan Date/Time	Due Date/Time	Returned Date/Time	Status	Days Overdue	Fine	Actions
6	4	Twilight	2	Jia Xuan Travis Tham	2023-09-07, 21:38:00	2023-09-09, 21:38:00	2023-11-20, 19:13:33	RETURNED	71	71.0	<button>Update</button> <button>Delete</button>
8	1	Harry Potter and the Sorcerer Stone	1	travis tham	2023-09-17, 01:55:00	2023-09-26, 01:55:00	2023-10-03, 23:24:45	RETURNED	7	7.0	<button>Update</button> <button>Delete</button>
10	2	Alex Rider Nightshade	15	Meat admin	2023-09-11, 02:17:00	2023-09-28, 02:17:00	2023-09-27, 02:17:47	RETURNED	0	0.0	<button>Update</button> <button>Delete</button>
11	9	Catching Fire	15	Meat admin	2023-09-13, 02:28:00	2023-09-28, 02:28:00	2023-10-17, 16:20:57	RETURNED	18	18.0	<button>Update</button> <button>Delete</button>
12	2	Alex Rider	15	Meat	2023-10-03, 02:28:00	2023-10-10, 02:28:00	2023-10-17, 02:28:00	RETURNED	6	6.0	<button>Update</button>

Loans									
Loan Id	Book Id	Title	Borrower Name	Borrow Date/Time	Returned Date/Time	Status	Days Overdue	Fine	Actions
6	4	Twilight	Jia Xuan Travis Tham	2023-09-07, 21:38:00	2023-09-09, 21:38:00	2023-11-20, 19:13:33	RETURNED	71	<button>Update</button> <button>Delete</button>

Update Loan

Loan Id:

Member Id / Name:

Book Id / Title:

Loan Date/Time:

Due Date/Time:

Returned Date/Time:

Status:

Save Changes Back

Loans											
Loan Id	Book Id	Title	Borrower Name	Borrow Date/Time	Returned Date/Time	Status	Days Overdue	Fine	Actions		
6	4	Twilight	Jia Xuan Travis Tham	2023-09-07, 21:38:00	2023-09-09, 21:38:00	2023-11-20, 19:13:33	RETURNED	71	<button>Update</button> <button>Delete</button>		
8	1	Harry Potter and the Sorcerer Stone	Alex Night	2023-09-09, 21:38:00	2023-10-03, 14:45	RETURNED	7	7.0	<button>Update</button> <button>Delete</button>		
10	2	Alex Night	Nathan admin	2023-09-13, 02:28:00	2023-09-28, 02:28:00	2023-10-17, 16:20:57	RETURNED	0	0.0	<button>Update</button> <button>Delete</button>	
11	9	Catching Fire	15	Nathan admin	2023-09-13, 02:28:00	2023-09-28, 02:28:00	2023-10-17, 16:20:57	RETURNED	18	18.0	<button>Update</button> <button>Delete</button>

4.3.9 Manage Fines:

In the manage fines section, the administrator can oversee all the fines, be it paid or unpaid. Here, they can update or delete as well.

The screenshots show the LMS application's management interface for fines, featuring a sidebar menu and a central table view.

Screenshot 1: Manage Fines

This screenshot shows the main "Manage Fines" page. The sidebar menu includes options like Dashboard, Add Books, Manage Books, Create Account, Manage Accounts, Issue Books, Return Books, Manage Loans, and Manage Fines (which is selected). The main area displays a table with three rows of fine data:

Fine Id	Loan Id	Book Id	Title	Member Id	Name	Amount	Status	Actions
3	6	4	Twilight	2	Jia Xuan Travis Tham	71.0	PAID	<button>Update</button> <button>Delete</button>
4	8	1	Harry Potter and the Sorcerer Stone	1	travis tham	7.0	UNPAID	<button>Update</button> <button>Delete</button>
6	11	9	Catching Fire	15	Meat admin	18.0	PAID	<button>Update</button> <button>Delete</button>

Screenshot 2: Filters

This screenshot shows the "Filters" dialog box overlaid on the main page. It contains fields for "Search By:" (with a dropdown menu showing "Any"), "Status Filter:" (with radio buttons for "All", "Paid", and "Unpaid" where "All" is selected), "Sort By:" (with a dropdown menu showing "Fine Id" and "Loan Id"), "Order:" (with a dropdown menu showing "Ascending" and "Descending" where "Ascending" is selected), and a "Apply Filters" button.

Screenshot 3: Update Fine

This screenshot shows the "Update Fine" form. It includes fields for "Fine Id" (set to 6), "Loan Id" (set to 11), "Member Id and Name" (set to 15, Nathan admin), "Book Id and Title" (set to 9, Catching Fire), and "Status" (set to PAID). At the bottom are "Save Changes" and "Back" buttons.

LMS

- Dashboard
- Add Books
- Manage Books
- Create Account
- Manage Accounts
- Issue Books
- Return Books
- Manage Loans
- Manage Fines**
- Payment Logs

Fine Id:
3

Loan Id:
6

Book Id:
4

Title:
Twilight

Member Id:
2

Name
Jia Xuan Travis Tham

Amount:
71.0

Status:
PAID

Name	Amount	Status	Actions
Kuan Travis	71.0	PAID	<button style="color: blue;">Update</button> <button style="color: red;">Delete</button>
Jia Xuan Travis Tham	7.0	UNPAID	<button style="color: blue;">Update</button> <button style="color: red;">Delete</button>
Meat admin	18.0	PAID	<button style="color: blue;">Update</button> <button style="color: red;">Delete</button>
Stone admin	14.0	PAID	<button style="color: blue;">Update</button>

Close **Confirm Delete**

4.3.10 Payment History:

On this page, the administrator can view the payment history. They can also make use of the search filters to find any specific payment.

LMS

- Dashboard
- Add Books
- Manage Books
- Create Account
- Manage Accounts
- Issue Books
- Return Books
- Manage Loans
- Manage Fines
- Payment Logs**

Payment History

Type query

Add Filters

Payment Id	Member Id	Name	Fine Id	Invoice No	Transaction Ref	Payment Type	Amount	Date/Time	Status
8	15	Meat admin	6, 7, 8	INV-00000	XXXXXXXXXXXX	Credit/Debit Card	38.0	2023-10-17, 16:36:43	SUCCESSFUL
13	2	Jia Xuan Travis Tham	3	INV-00001	XXXXXXXXXXXX	Credit/Debit Card	71.0	2023-11-20, 22:46:00	SUCCESSFUL
14	15	Meat admin	9	INV-00002	XXXXXXXXXXXX	Credit/Debit Card	1.0	2023-11-20, 23:10:12	PENDING

LMS

- Dashboard
- Add Books
- Manage Books
- Create Account
- Manage Accounts
- Issue Books
- Return Books
- Manage Loans
- Manage Fines
- Payment Logs

Filters

Search By: Any

Status Filter: All (radio button selected) Successful Pending Failed

Sort By: Payment Id Order: Ascending

Apply Filters

Payment Id	M	Amount	Date/Time	Status
8	15	Nathan admin	6 , 7 , 8 INV-00000 XXXXXXXXXX Credit/Debit Card	38.0 2023-10-17, 16:36:43 SUCCESSFUL

travis ▾

4.4 Library Patrons/Members/Users :

4.4.1 Home:

LMS

Payment Nathan ▾

Home

All Books

Loan History

Fines

Hello Nathan!

Books Borrowed 5 Active Loans 0 Overdue Loans 0 Fines Owed 0.0

Discover Books

Harry Potter and the Deathly Hallows

Twilight

Percy Jackson & the Olympians: The Sea of Monsters

Hover Car Racer

See More

4.4.2 All Books:

This is the page where user can browse all the books that are part of the library catalog. Here they can click on each book to view in greater detail.

LMS

Payment Nathan ▾

Home

All Books

Loan History

Fines

All Books

Type query Add Filters

Harry Potter and the Philosopher's Stone

Alex Rider: Nightshade

Twilight

LMS

- Home
- All Books
- Loan History**
- Fines

Filters

Search By:

Status Filter: All Available Checked Out

Sort By: Order:

Harry Potter and the Sorcerer Stone

Description: Ever since Harry Potter had come home for the summer, the Dursleys had been so mean and hideous that all Harry wanted was to get back to the Hogwarts School for Witchcraft and Wizardry. But just as he's packing his bags, Harry receives a warning from a strange impish creature who says that if Harry returns to Hogwarts, disaster will strike. And strike it does. For in Harry's second year at Hogwarts, fresh torments and horrors arise, including an outrageously stuck-up new professor and a spirit who haunts the girls' bathroom. But then the real trouble begins – someone is turning Hogwarts students to stone. Could it be Draco Malfoy, a more poisonous rival than ever? Could it possibly be Hagrid, whose mysterious past is finally told? Or could it be the one everyone at Hogwarts most suspects... Harry Potter himself!

Author: J.K. Rowling

Category: Fantasy

Publication Year: 1994

Twilight

Author: Stephenie Meyer

4.4.3 Loan History:

Users can view their loan history here. They can make use of the search filter to find any specific loan.

LMS

- Home
- All Books
- Loan History**
- Fines

Loan History

Loan Id	Book Id	Title	Loan Date/Time	Due Date/Time	Returned Date/Time	Status	Days Overdue	Fine
10	2	Alex Rider Nightshade	2023-09-11, 02:17:00	2023-09-28, 02:17:00	2023-09-27, 02:17:47	RETURNED	0	0.0
11	9	Catching Fire	2023-09-13, 02:28:00	2023-09-28, 02:28:00	2023-10-17, 16:20:57	RETURNED	18	18.0
12	2	Alex Rider Nightshade	2023-10-03, 23:24:00	2023-10-10, 23:24:00	2023-10-17, 16:20:47	RETURNED	6	6.0
13	1	Harry Potter and the	2023-09-26, 23:24:00	2023-10-02, 23:24:00	2023-10-17, 16:21:06	RETURNED	14	14.0

LMS

Home

All Books

Loan History

Fines

Payment Nathan ▾

Filters

Search By: Any

Status Filter: All Overdue Active Returned

Sort By: Loan Id **Order:** Ascending

Add Filters

Loan Id	Book Id	Title	Returned Date/Time	Status	Days Overdue	Fine		
10	2	Alex Rider: Nightshade	2023-09-11	2023-09-28	2023-09-27 02:17:47	RETURNED	0	0.0

4.4.4 Fines:

Users can find all their fines here, if any. They can also make use of the search filter to find any fines if needed.

Fines						
Type query						Add Filters
Fine Id	Loan Id	Book Id	Title	Amount	Status	
6	11	9	Catching Fire	18.0	PAID	
8	12	2	Alex Rider Nightshade	6.0	PAID	
7	13	1	Harry Potter and the Sorcerer Stone	14.0	PAID	
9	14	1	Harry Potter and the Sorcerer Stone	1.0	PAID	

LMS

Home

All Books

Loan History

Fines

Payment Nathan ▾

Filters

Search By: Any

Status Filter: All Paid Unpaid

Sort By: Fine Id Order: Ascending

Add Filters

Fine Id	Loan Id	Amount	Status
6	11	18.0	PAID

Apply Filters

4.4.5 Payment:

In the payment section, which can be accessed by the payment button on the top right, the user can see any fine that is outstanding, and make payment for it.

The screenshot shows the LMS interface with a dark sidebar on the left containing 'LMS' at the top, followed by 'Payment' and 'Payment History'. The main content area has a title 'Payment' centered above a table. The table has columns: Fine Id, Loan Id, Book Id, Book Title, Fine Amount, and Status. A single row is present with values: 11, 17, 2, Alex Rider Nightshade, 7.0, and UNPAID. To the right of the table is a blue button labeled 'Make Payment'.

Fine Id	Loan Id	Book Id	Book Title	Fine Amount	Status
11	17	2	Alex Rider Nightshade	7.0	UNPAID

[Make Payment](#)

This screenshot shows the same LMS interface as the previous one, but the table now includes a 'Total Amount:' row below the individual item. The table data remains the same. Below the table are two blue buttons: 'Back' on the left and 'Continue' on the right.

Fine Id	Loan Id	Book Id	Book Title	Fine Amount
11	17	2	Alex Rider Nightshade	7.0
Total Amount:				7.0

[Back](#) [Continue](#)

LMS

Payment Nathan ▾

Payment History

Enter in payment details

Card Number:

Expiry Date:

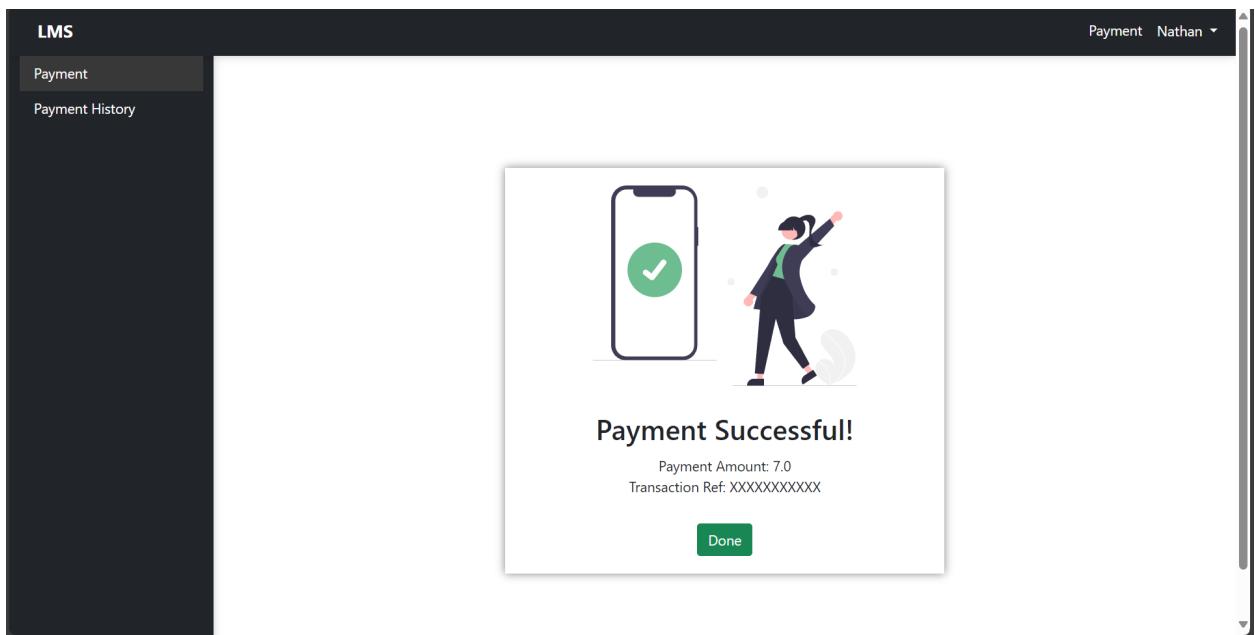
CVV:

Payment Summary

Alex Rider Nightshade \$ 7.0
Fine ID: 11, Loan ID: 17, Book ID: 2

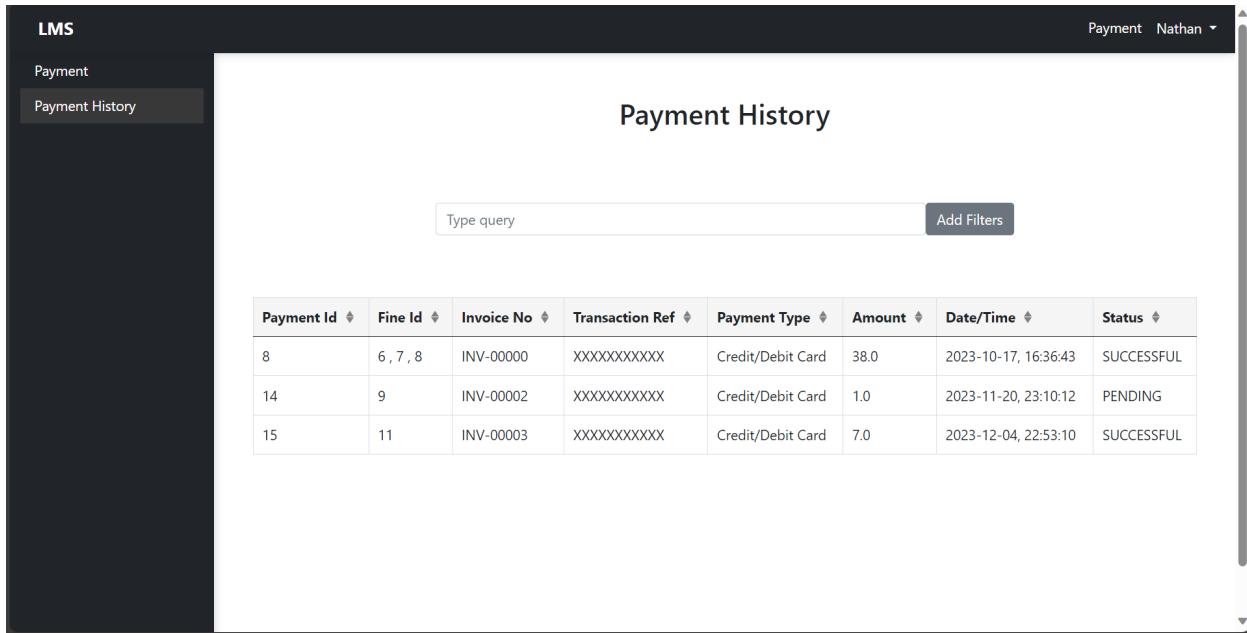
Total Amount: \$ 7.0

Make Payment



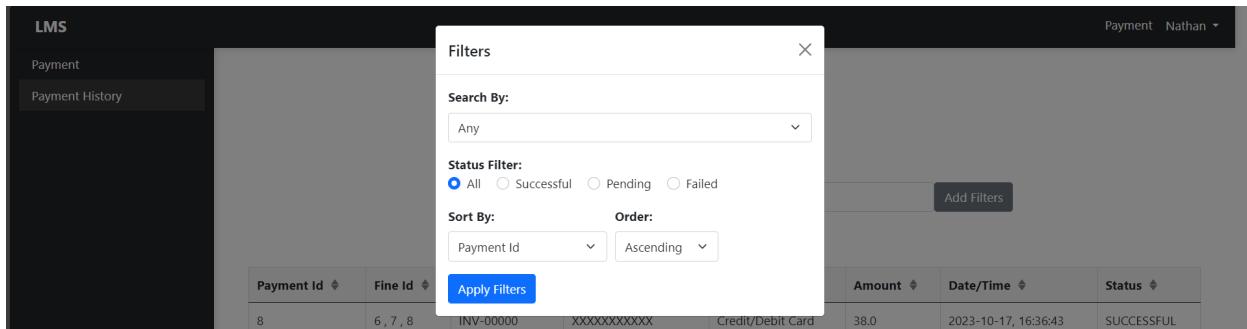
4.4.6 Payment History:

The user will also be able to see their payment history. They can also make use of the search filters to find any specific past payments they have made.



This screenshot shows the 'Payment History' section of the LMS. At the top, there is a search bar labeled 'Type query' and a button labeled 'Add Filters'. Below the search bar is a table with the following data:

Payment Id	Fine Id	Invoice No	Transaction Ref	Payment Type	Amount	Date/Time	Status
8	6 , 7 , 8	INV-00000	XXXXXXXXXX	Credit/Debit Card	38.0	2023-10-17, 16:36:43	SUCCESSFUL
14	9	INV-00002	XXXXXXXXXX	Credit/Debit Card	1.0	2023-11-20, 23:10:12	PENDING
15	11	INV-00003	XXXXXXXXXX	Credit/Debit Card	7.0	2023-12-04, 22:53:10	SUCCESSFUL



This screenshot shows the 'Payment History' section with a 'Filters' modal open. The modal contains the following fields:

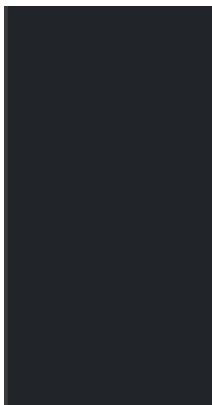
- Search By: A dropdown menu with 'Any' selected.
- Status Filter: Radio buttons for 'All' (selected), 'Successful', 'Pending', and 'Failed'.
- Sort By: A dropdown menu set to 'Payment Id'.
- Order: A dropdown menu set to 'Ascending'.

Below the modal, a single payment row is visible in the table:

Payment Id	Fine Id	Invoice No	Transaction Ref	Payment Type	Amount	Date/Time	Status
8	6 , 7 , 8	INV-00000	XXXXXXXXXX	Credit/Debit Card	38.0	2023-10-17, 16:36:43	SUCCESSFUL

4.5 Account settings

4.5.1 Profile



Profile

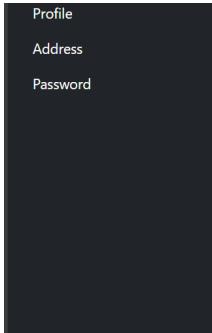
Name:
Nathan admin →

Email:
meethedese34@gmail.com →

Gender:
MALE →

Library Card:
123

4.5.1.1 Update Name



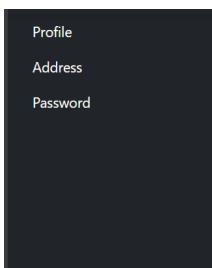
Update Name

First Name:
Nathan

Last Name:
admin

Save Changes **Back**

4.5.1.2 Update Email

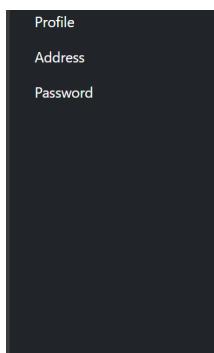


Update Email

Email:
meethedese34@gmail.com

Save Changes **Back**

4.5.1.3 Update Gender



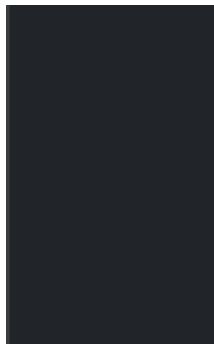
Profile
Address
Password

Update Gender

Gender:

[Save Changes](#) [Back](#)

4.5.2 Address



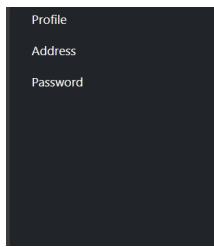
Address

Address Line 1: [→](#)

Address Line 2: [→](#)

Postal Code: [→](#)

4.5.2.1 Update Address Line 1



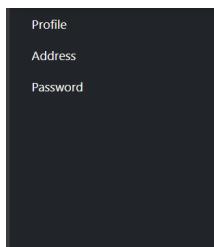
Profile
Address
Password

Update Address 1

Address 1:

[Save Changes](#) [Back](#)

4.5.2.2 Update Address Line 2



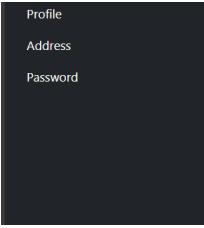
Profile
Address
Password

Update Address 2

Address 2:

[Save Changes](#) [Back](#)

4.5.2.3 Update Postal Code



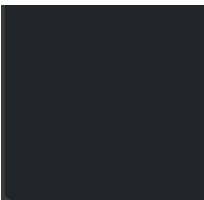
Update Postal Code

Postal Code:
123

[Save Changes](#) [Back](#)



4.5.3 Password

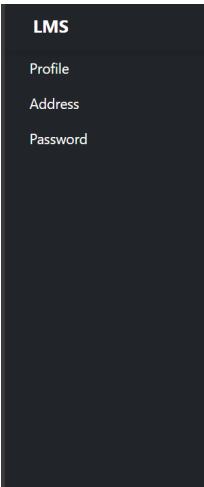


Password

Password:
***** →



4.5.3.1 Update Password



Update Password

Old Password:

New Password:

Confirm New Password:

[Save Changes](#) [Back](#)

