



**MONTREAL LIBRARY**

*When in doubt go to the library*

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## **DESCRIPTION**

Montreal library was established in 1995 and it is one of the best libraries in Quebec. In the year 2017 we started providing our services online as well as of now there are 75000 people visited on our website. Our web address is [www.MontrealLibrary.com](http://www.MontrealLibrary.com). Our website is developed for the users to check the books available in the library. He can also search the books and reserve the book so that they can issue the books from the library by showing their booking I.D. Attendants issue the books to the user and when the books are submitted back to the attendant, the submitted material will be deleted from the account of the user. The library also provided the facility of a reserved private room for the users to read the materials.

## **SCOPE**

The main goal of making this project is to provide an introduction about the whole system of the online Library. With the help of online access the viewers can get familiar with various Library facilities and can get the online access to all details on this portal.

- It satisfies the user requirements.
- Be easy to understand by the user and operator.
- Have a good user interface.

### **Admin/Attendant Features:**

- Admin/Attendant can manage the user
- Manage Books
- Booking of rooms
- Manage the categories of the books
- Impose the fine

### **User Features:**

- User can contact the attendant/admin
- Manage booking
- Pay the fine
- Reserve a private room.

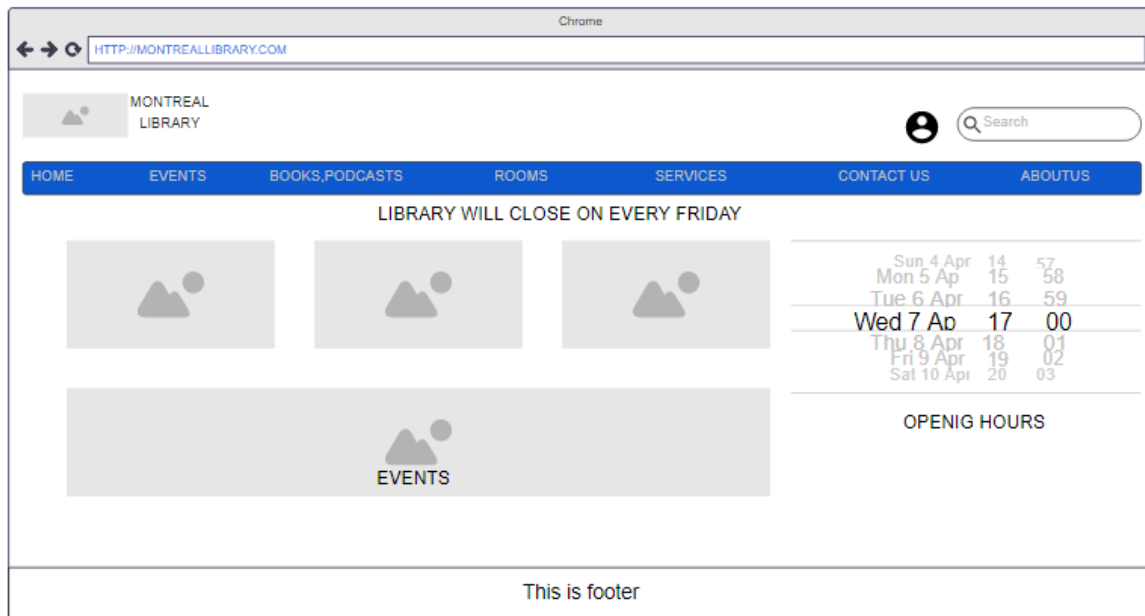
### **Backlogs:**

User I.D.	USD	User Points	Priority
ML01	As a user I can register.		
ML02	As a user i can login		
ML03	As a user I can issue the books.		
ML04	As a user I can manage the profile.		
ML05	As a user I can manage the cart.		
ML06	As a user I can sign out.		
ML07	As a user i can send query to attendant		
ML08	As a user i can check the availability of books		
ML09	As a user i become a member of the library		
ML10	As a user i can remove the books after confirmation		
ML11	As a user i can pay the late submission fine.		

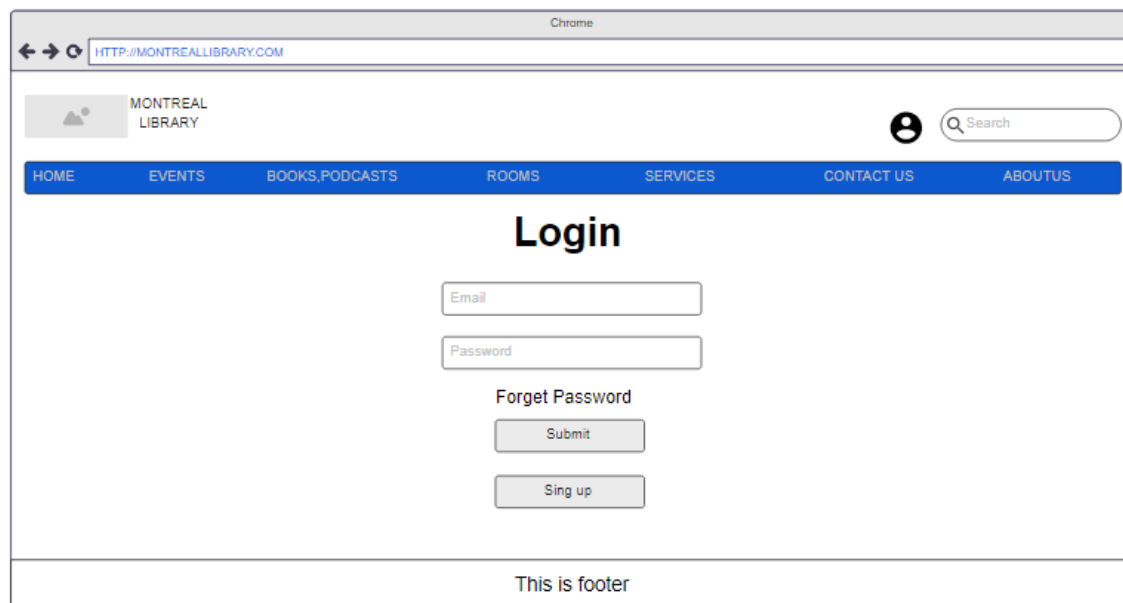
ML12	As a user I can reserve the room for study.		
	<b>ATTENDANT / ADMIN</b>		
ML13	As an attendant/admin I can log in.		
ML14	As an attendant/admin I can manage the profile.		
ML15	As an attendant/admin I can impose the fine.		
ML16	As an attendant / admin I can manage the books.		
ML17	As an attendant/ admin I can take the queries.		
ML18	As an attendant/admin i can sign out		
ML19	As an attendant/admin I can allot a room to users.		
ML20	As an admin i add/remove user		
ML21	As an admin i block the user		
ML22	As an admin i manage the categories of books		

**MoqUps:**

## Home Page:




## Login Page:




## SignUp Page:

Chrome

← → ↻ HTTP://MONTREALLIBRARY.COM

 MONTREAL  
LIBRARY



HOMEEVENTSBOOKS,PODCASTSROOMSSERVICESCONTACT USABOUTUS

# Sign up

This is footer

## Change Password Page:

Chrome

HTTP://MONTREALLIBRARY.COM

MONTREAL LIBRARY

Search

HOME EVENTS BOOKS,PODCASTS ROOMS SERVICES CONTACT US ABOUTUS

### Change password

Old Password

New Password

Confirm Password

Submit

This is footer

## Books/Podcasts

Chrome

HTTP://MONTREALLIBRARY.COM

MONTREAL LIBRARY

Search

HOME EVENTS BOOKS,PODCASTS ROOMS SERVICES CONTACT US ABOUTUS

### books and podcast

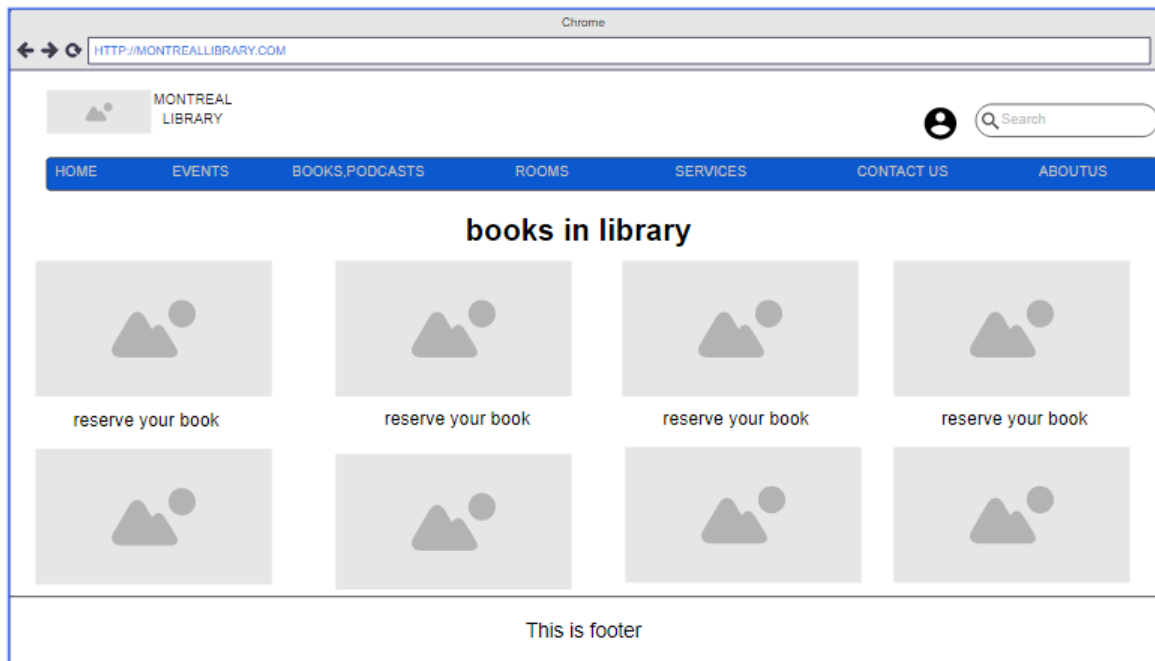
books

podcasts

online books

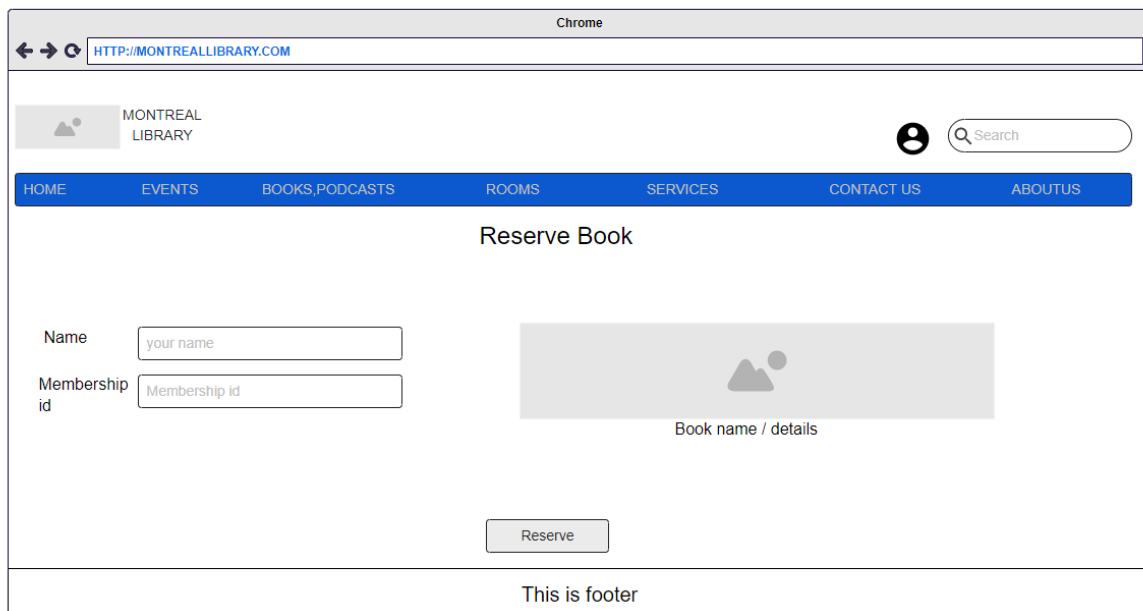
This is footer

## Books and Podcast page:



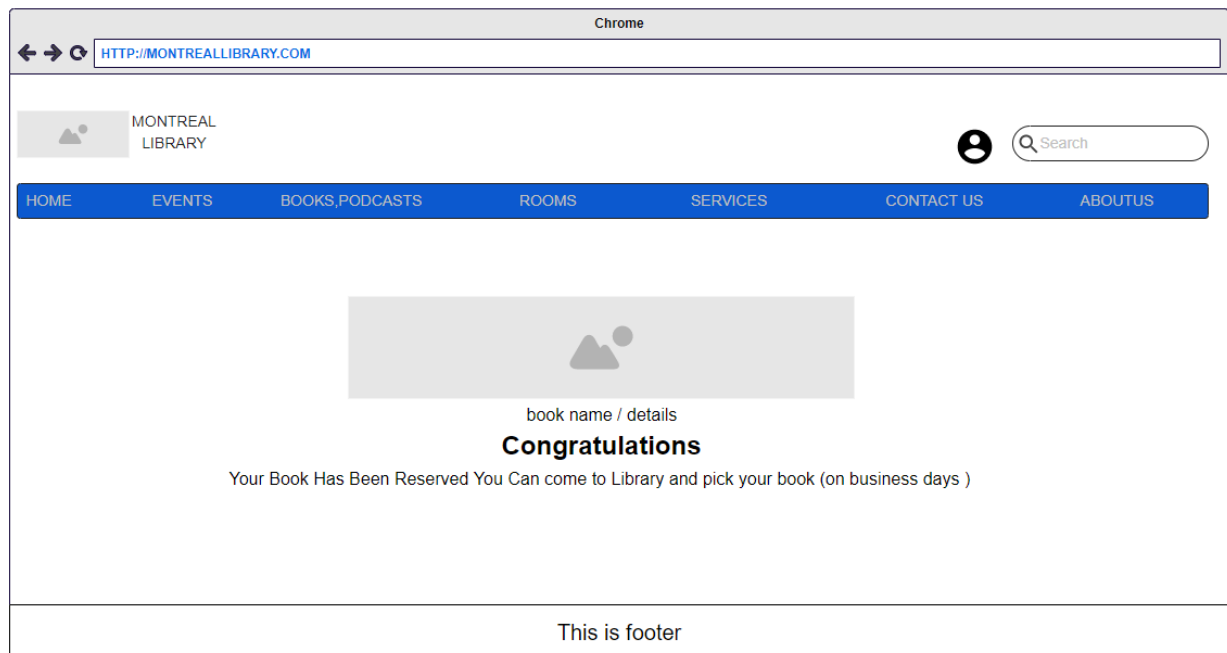
Activ

## Reserve book page:

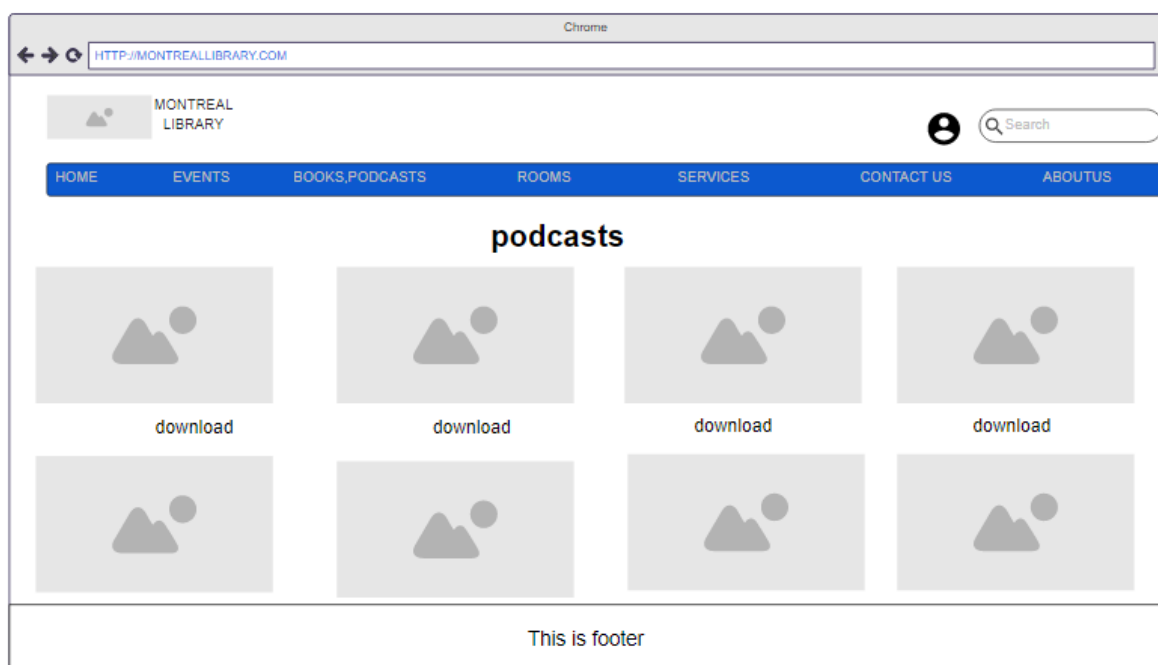




## Confirmation of book reservation



## Podcast page:



## Download Podcast

Chrome

HTTP://MONTREALLIBRARY.COM

MONTREAL LIBRARY


Search

HOME EVENTS BOOKS,PODCASTS ROOMS SERVICES CONTACT US ABOUTUS

### Download Podcast

Name

Membership id



Podcast name / details

Download

This is footer

## Online book page:

Chrome


HTTP://MONTREALLIBRARY.COM


MONTREAL LIBRARY


Search


HOME EVENTS BOOKS,PODCASTS ROOMS SERVICES CONTACT US ABOUTUS





### books online

 download

 download

 download

 download


   


This is footer

## Download Book

Chrome

HTTP://MONTREALLIBRARY.COM

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HOMEEVENTSBOOKS,PODCASTSROOMSSERVICESCONTACT USABOUTUS

Download Book

Name

Membership id



Book name / details


Download


This is footer

## Services Page:

Chrome

HTTP://MONTREALLIBRARY.COM

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services

membership

Quarries

Order card

This is footer

## Membership form page:

A screenshot of a web browser showing the 'Membership form' page of the Montreal Library website. The browser's address bar displays 'HTTP://MONTREALLIBRARY.COM'. The page header includes the library's logo, a search bar, and a navigation menu with links: HOME, EVENTS, BOOKS,PODCASTS, ROOMS, SERVICES, CONTACT US, and ABOUTUS. The main content area is titled 'Memebership form' (note the typo) and contains four text input fields labeled 'Username', 'Address', 'Email', and 'Contact', followed by a 'Submit' button. The footer area contains the text 'This is footer'.

## Queries Page:

A screenshot of a web browser showing the 'Queries' page of the Montreal Library website. The browser's address bar displays 'HTTP://MONTREALLIBRARY.COM'. The page header is identical to the previous screenshot, featuring the library's logo, a search bar, and a navigation menu. The main content area is titled 'Quaries' (note the typo) and contains four text input fields labeled 'Username', 'Address', 'Email', and 'Contact' on the left, and a larger text area labeled 'Write your message' on the right. A 'Submit' button is positioned below these fields. The footer area contains the text 'This is footer'.

## Order membership card:

Chrome

HTTP://MONTREALLIBRARY.COM

MONTREAL LIBRARY

Search

HOME EVENTS BOOKS,PODCASTS ROOMS SERVICES CONTACT US ABOUTUS

### Order a Card

Username

Address

Email

Card Details

Resdon for order new card

Submit

This is footer

## Reserve room page:

Chrome

HTTP://MONTREALLIBRARY.COM

MONTREAL LIBRARY

Search

HOME EVENTS BOOKS,PODCASTS ROOMS SERVICES CONTACT US ABOUTUS

### Reserve Rooms

			1	2	3	4	
5	6	7	8	9	10	11	Not Available
12	13	14	15	16	17	18	Available
19	20	21	22	23	24	25	
26	27	28	29	30			

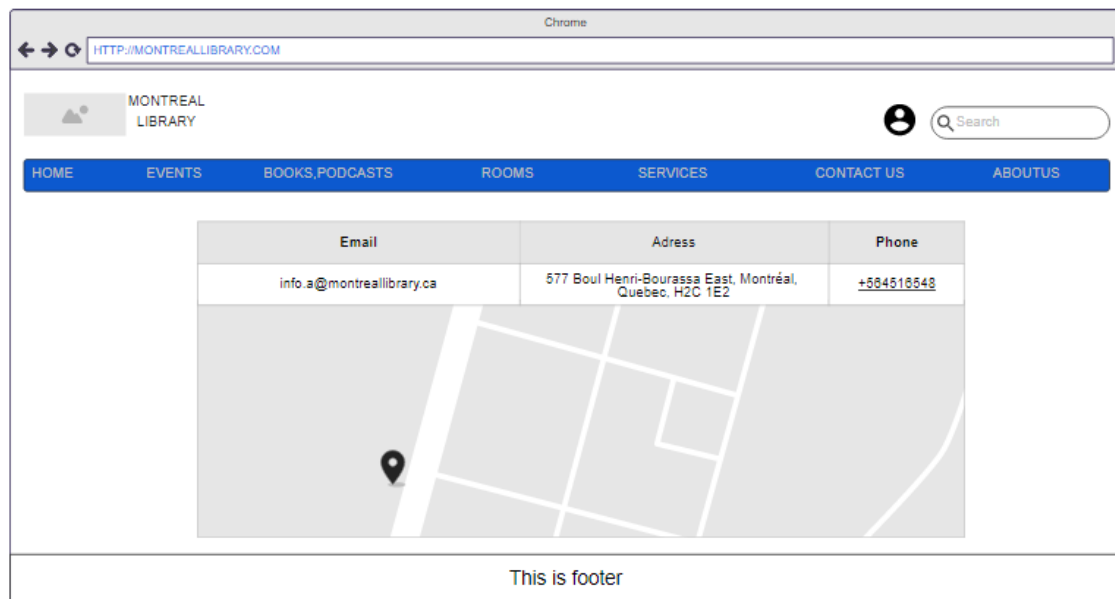
Submit

Time Slots

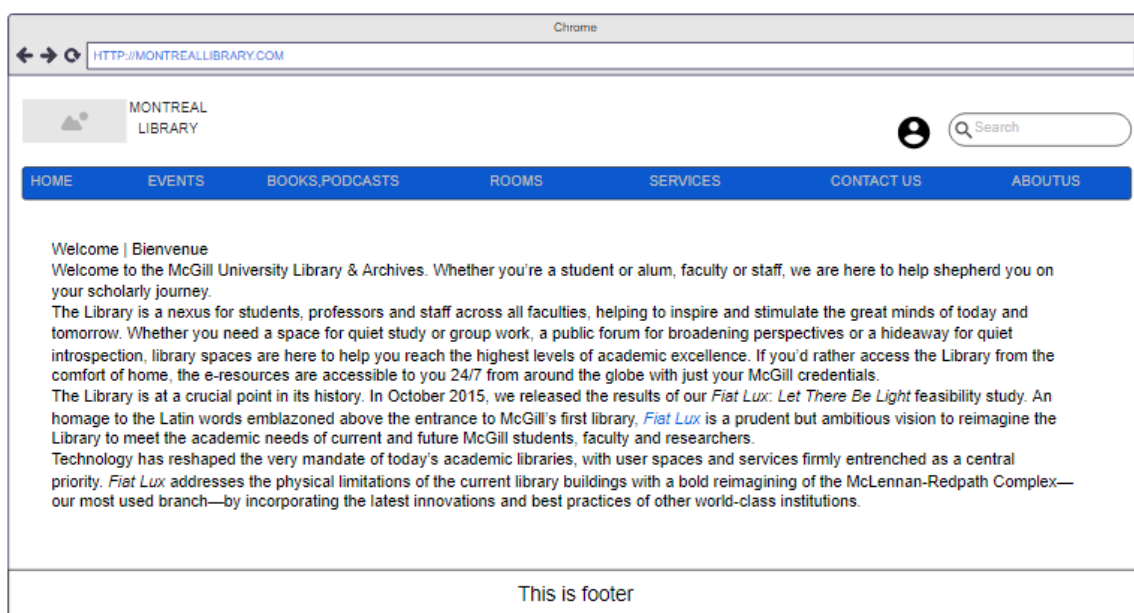
Sun 4 Apr	14	57
Mon 5 Apr	15	58
Tue 6 Apr	16	59
Wed 7 Apr	17	00
Thu 8 Apr	18	01
Fri 9 Apr	19	02
Sat 10 Apr	20	03

This is footer

## Location/Contact us page:

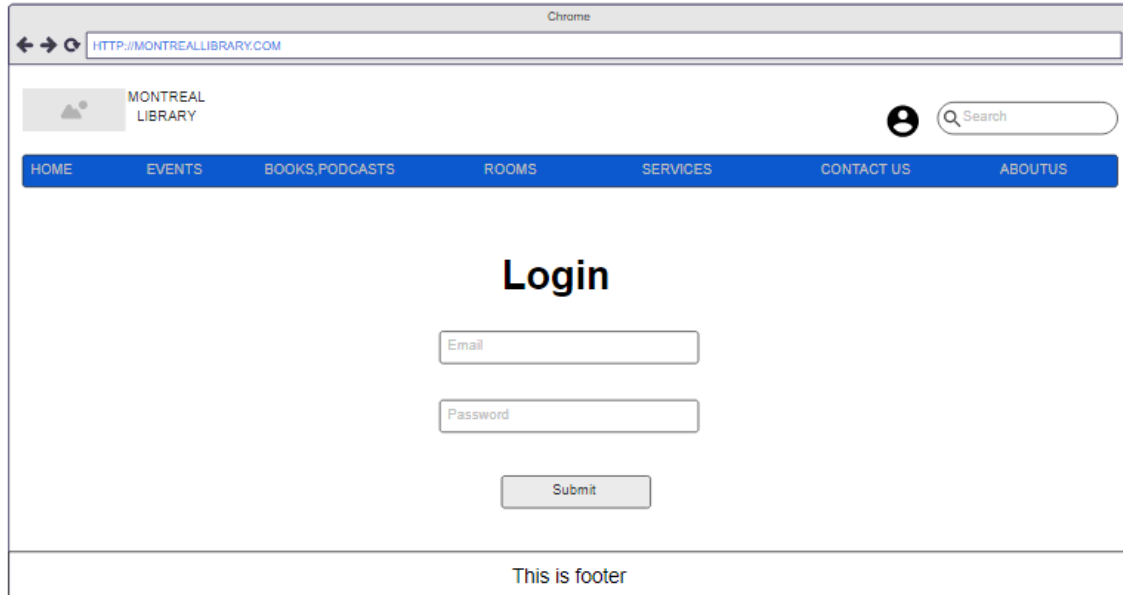


## AboutUs:



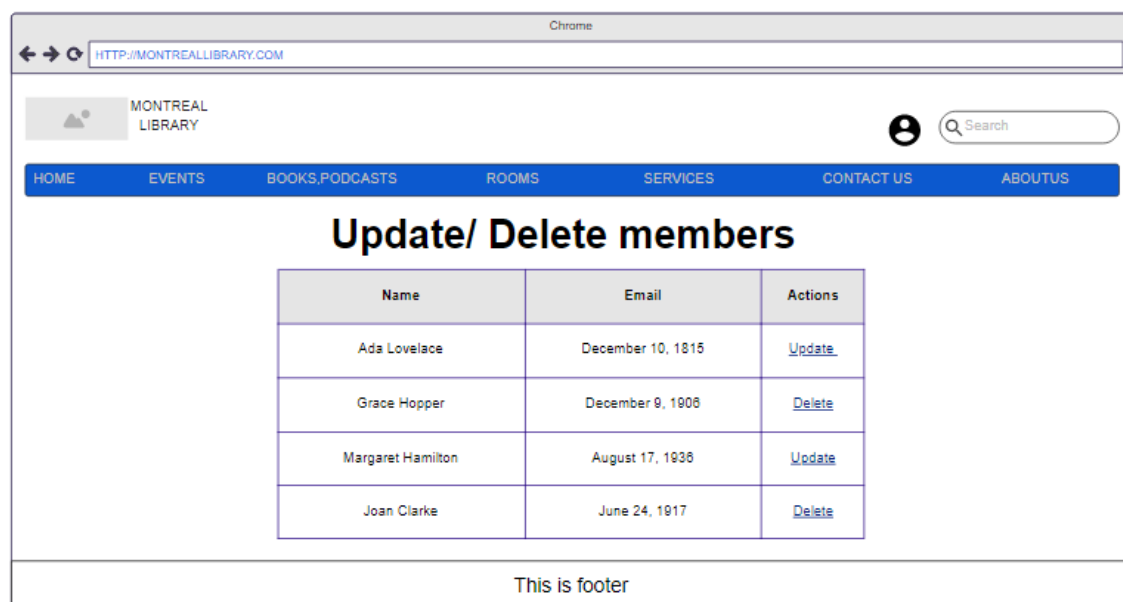
## Admin moqups pages:

### Login page:



The mockup shows a web browser window with the URL [HTTP://MONTREALLIBRARY.COM](http://montreallibrary.com). The page header includes the Montreal Library logo and a search bar. A blue navigation bar contains links for HOME, EVENTS, BOOKS,PODCASTS, ROOMS, SERVICES, CONTACT US, and ABOUTUS. The main content area features a large 'Login' heading, followed by input fields for 'Email' and 'Password', and a 'Submit' button. The footer contains the text 'This is footer'.

### Update/delete members information page:




The mockup shows a web browser window with the URL [HTTP://MONTREALLIBRARY.COM](http://montreallibrary.com). The page header and navigation bar are identical to the login page. The main content area features a heading 'Update/ Delete members' above a table. The table has three columns: Name, Email, and Actions. It lists four members: Ada Lovelace, Grace Hopper, Margaret Hamilton, and Joan Clarke, each with an 'Update' or 'Delete' link in the Actions column. The footer contains the text 'This is footer'.


Name	Email	Actions
Ada Lovelace	December 10, 1815	<a href="#">Update</a>
Grace Hopper	December 9, 1906	<a href="#">Delete</a>
Margaret Hamilton	August 17, 1936	<a href="#">Update</a>
Joan Clarke	June 24, 1917	<a href="#">Delete</a>

## Update books/podcasts page:

Chrome

← → ↻ HTTP://MONTREALLIBRARY.COM

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## Update books/podcasts

Name	Duration	Type
avc	2 years	comedy
asd	1 Year	romantic
asdd	3 years	<u>music</u>

Update

This is footer

## Add/remove page:



Chrome

HTTP://MONTREALLIBRARY.COM

MONTREAL LIBRARY

Search

HOME EVENTS BOOKS,PODCASTS ROOMS SERVICES CONTACT US ABOUTUS

Add Rooms

Add Books / Podcasts

Delete Books

Remove Rooms

Submit

This is footer

Act

## **Functional Requirements:**

- 1.User must check if the book is available or not before issuing.
- 2.Only authentic users must have access to the site.
- 3.Users can register their details on the website.
- 4.Users can log in to the website.
- 5.Admin can login to the admin portal.
- 6.Admin can manage the users.
- 7.Admin can manage the database.
- 8.Attendant can respond to the queries of the users.
- 9.Attendant can impose the fine to users.
- 10.As a user/admin I can sign out.

## **Non-Functional Requirements:**

1. On login, credentials are verified.
2. Security - The system would provide access to only legitimate users. It will be secure on the network and only authorised users can use it.
3. Portability-Users can open this website on rapid browsers such as chrome or firefox.
4. Usability-Easy to navigate.
5. Maintainability-Every week maintenance done once on friday.
6. Isolation-Users can not access the profile of another user.
7. Performance-Every page loads content within 3 seconds.
8. Reliability- A backup of the database is created in case of data loss.
9. The user is unable to access the admin section.
10. To make it more device interactive, the website has a responsive css which will convert the website pages according to the device screen.

## **Fully Dressed Use Cases:**

### **UseCase 1:**

Use case Id	ML-01
Use case Name	<b>Register</b>
Actors	<b>User</b>
precondition	<ol style="list-style-type: none"><li>1. User must have valid facebook or gmail account</li><li>2. User must enter his First and last name</li><li>3. User have to enter password and then have to confirm it</li><li>4. Click on signup</li></ol>
Main success scenario	<ol style="list-style-type: none"><li>1. User must enter all the required information</li><li>2. User must enter strong and valid password</li></ol>
alternatives	<ol style="list-style-type: none"><li>1(a). If user is already registered then popup will display</li><li>2(a) .If user is does not enter strong password then popup will display</li><li>(b). If user does not enter the same password in confirmation password box then popup will display</li></ol>
Post condition	<ol style="list-style-type: none"><li>1. Successfully register as a new customer</li></ol>

### **UseCase 2:**

Use case Id	ML-02
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Use case Name	<b>Login</b>
Actors	<b>User / Admin</b>
precondition	<ol style="list-style-type: none"> <li>1. Enter Username</li> <li>2. Enter Password</li> <li>3. Click on Login Button</li> <li>4. User must be identified and authenticated ( registered user)</li> <li>5. If user is not registered then click on signup button</li> </ol>
Main success scenario	<ol style="list-style-type: none"> <li>1. User must enter valid username/password</li> <li>2. Click on login button</li> <li>3. User should able to login successfully</li> </ol>
alternatives	<ol style="list-style-type: none"> <li>1(a).If user enter invaild username then popup will display</li> <li>1(b). if user enter invalid password popup will display</li> </ol>
Post condition	Login successfully

### UseCase 3:

Use Case Id	ML-04
Use case Name	<b>Manage Profile</b>
Actors	<b>User</b>
precondition	<ol style="list-style-type: none"> <li>1.User have an account</li> <li>2.Must be logged in</li> </ol>
Main success scenario	<ol style="list-style-type: none"> <li>1.user will launch to home page</li> <li>2. user indicate to go to profile page</li> <li>3. user indicate to edit his/her details</li> <li>4.user change his name,contact number and password</li> </ol>
alternatives	1(a). User have to fill the fields as required else it display popup
Post condition	Update profile successfully except email address

### UseCase 4:

Use case Id	ML-09
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Use case Name	<b>Manage the cart</b>
Actors	<b>User</b>
precondition	1.Users must be registered. 2.Users must enter valid information. 3.Users must have the valid id proof. 4.Users must have books in cart.
Main success scenario	1.User is a member of the library. 2. Selected books are added to cart.
alternatives	NA
Post condition	User remove or add books in cart

#### UseCase 5:

Use case Id	ML-06
Use case Name	<b>Signout</b>
Actors	<b>Admin/ User</b>
precondition	1.Having an account. 2.Valid member
Main success scenario	1. User must enter valid username/ password 2. Click on signout button 3. User should able to sign out successfully 4. Click on login button
alternatives	1(a).If user enter invaild username then popup will display 1(b). if user enter invalid password popup will display
Post condition	Signout successfully.

### UseCase 6:

Use case Id	ML-07
Use case Name	<b>Send Query to attendant</b>
Actors	<b>User</b>
precondition	Users must be registered
Main success scenario	Messages send successfully
alternatives	User must be valid
Post condition	NA

### UseCase 7:

Use case Id	ML-03
Use case Name	<b>Issue the books</b>
Actors	<b>User</b>
precondition	1.Users must be registered. 2.User must have books in the cart. 3.User must have a Id proof.
Main success scenario	User has his book to read.
alternatives	User must be valid
Post condition	NA

## UseCase 8:

Use case Id	ML-09
Use case Name	Member of the library
Actors	User
precondition	1.Users must be registered. 2.Users must enter valid information. 3.Users must have the valid id proof.
Main success scenario	1.User is a member of the library. 2.User enjoy the new editions of the books.
alternatives	NA
Post condition	Successfully become a member of the library

## UseCase 9:

Use case Id	ML-08
Use case Name	Check availability of books
Actors	User
precondition	1.Users must be registered 2.User must be logged in.
Main success scenario	Availability of books are displayed
alternatives	User must be valid
Post condition	NA

## UseCase 10:

Use case Id	ML-10
-------------	-------

Use case Name	Remove books from cart
Actors	User
precondition	1.Users must be registered. 2.Must have books in the cart.
Main success scenario	Book is removed after confirmation.
alternatives	NA
Post condition	Book is removed successfully

### UseCase 11:

Use case Id	ML-12
Use case Name	Reserve room
Actors	User
precondition	1.Users must be registered 2.
Main success scenario	1.Users read books without any disturbance. 2.
alternatives	NA
Post condition	Users enjoy reading.

### UseCase 12:

Use case Id	ML-13
Use case Name	Login account



Actors	Admin/Attendant
precondition	1.Having an account. 2.Valid member
Main success scenario	1.Admin indicate a login page 2.Admin have to fill the details to login 3.Indicate on login button to access the site
alternatives	1(a).All details of admin should be valid
Post condition	Access the site without any authentication and easily edit whatever admin wants to do.

### UseCase 13:

Use case Id	ML-14
Use case Name	Manage user profile
Actors	Admin/Attendant
precondition	1.User have an account 2.Must be logged in 3.Admin has a details which he want to update
Main success scenario	Profile updated
alternatives	NA
Post condition	The profile of the user will successfully updated

### UseCase 14:

Use case Id	ML-18
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Use case Name	<b>Signout</b>
Actors	<b>Admin/Attendant</b>
precondition	1.Having an account. 2.Valid member
Main success scenario	1.User must enter valid username/ password 2.Click on signout button 3.User should able to sign out successfully 4.Click on login button
alternatives	1(a).If user enter invaild username then popup will display 1(b). if user enter invalid password popup will display
Post condition	Signout successfully.

UseCase 15:

Use case Id	ML-20
Use case Name	<b>Add or Remove user</b>
Actors	<b>Admin/Attendant</b>
precondition	1.Must have user accounts for remove 2.Admin must have details to create new user
Main success scenario	User will be removed or added
alternatives	NA
Post condition	User successfully add / remove

UseCase 16:

Use case Id	ML-21
Use case Name	<b>Block user</b>
Actors	Admin/Attendant
precondition	1.User have an account 2.Must be logged in
Main success scenario	User blocked
alternatives	NA
Post condition	The user is no more a part of the library

UseCase 17:

Use case Id	ML-16
Use case Name	<b>Manage books</b>
Actors	<b>Admin/Attendant</b>
precondition	Admin remove books if available
Main success scenario	Add latest books for user
alternatives	NA
Post condition	Users can access the latest books.

### UseCase 18:

Use case Id	ML-17
Use case Name	Take the queries
Actors	Admin/Attendant
precondition	
Main success scenario	
alternatives	NA
Post condition	

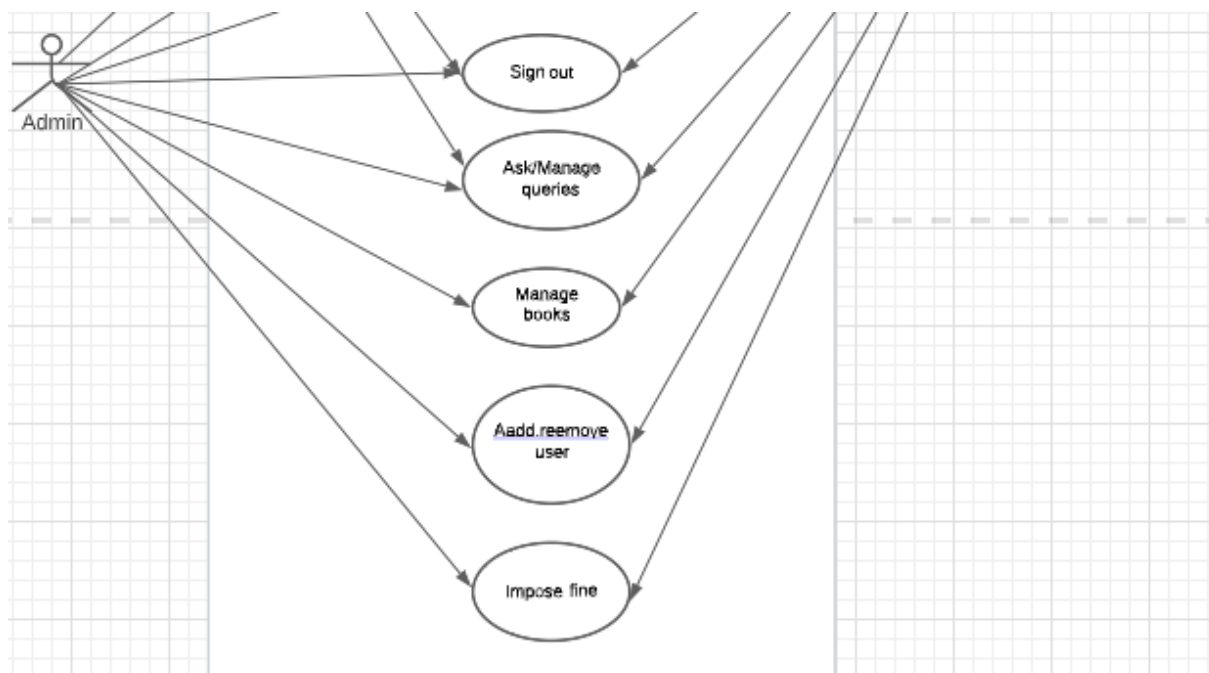
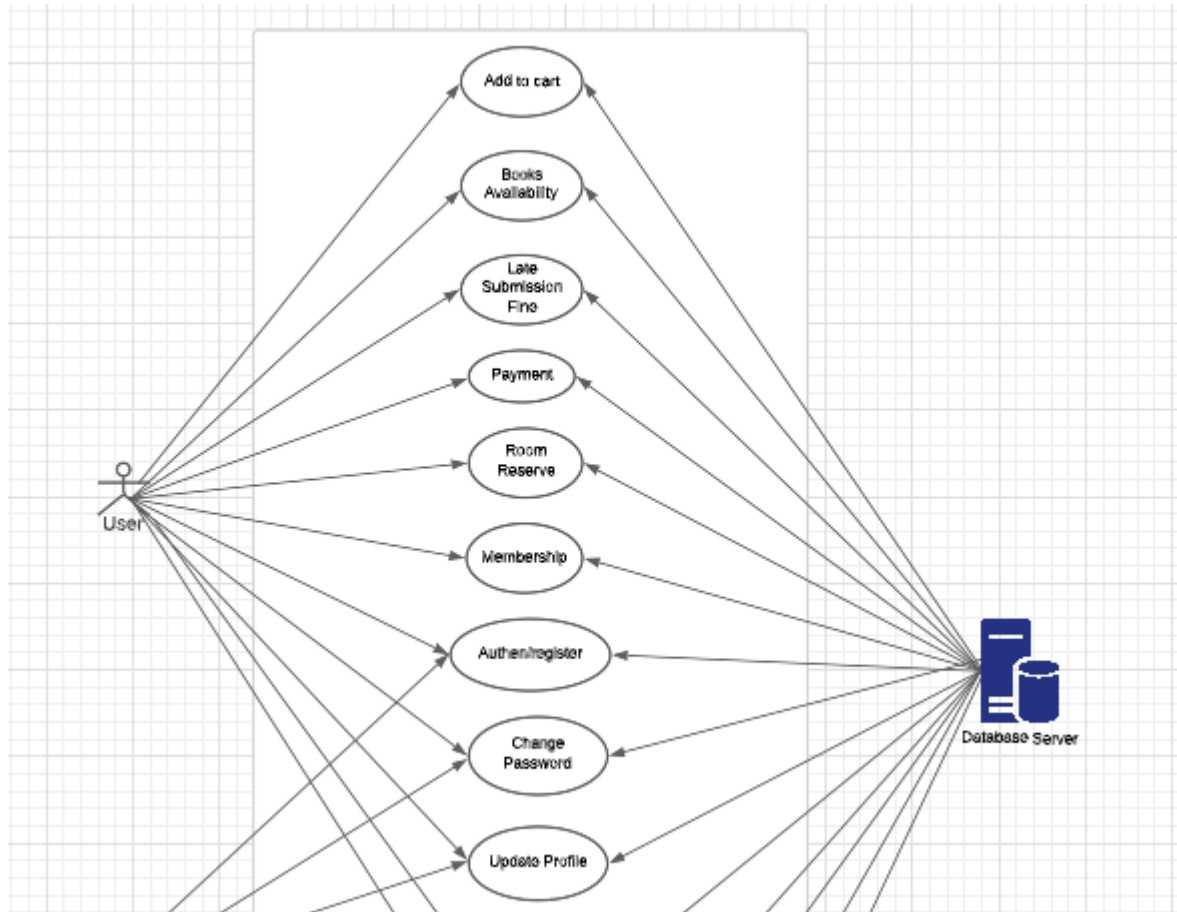
### UseCase 19:

Use case Id	ML-19
Use case Name	Allot rooms to users
Actors	Admin/Attendant
precondition	
Main success scenario	
alternatives	NA
Post condition	

## UseCase 20:

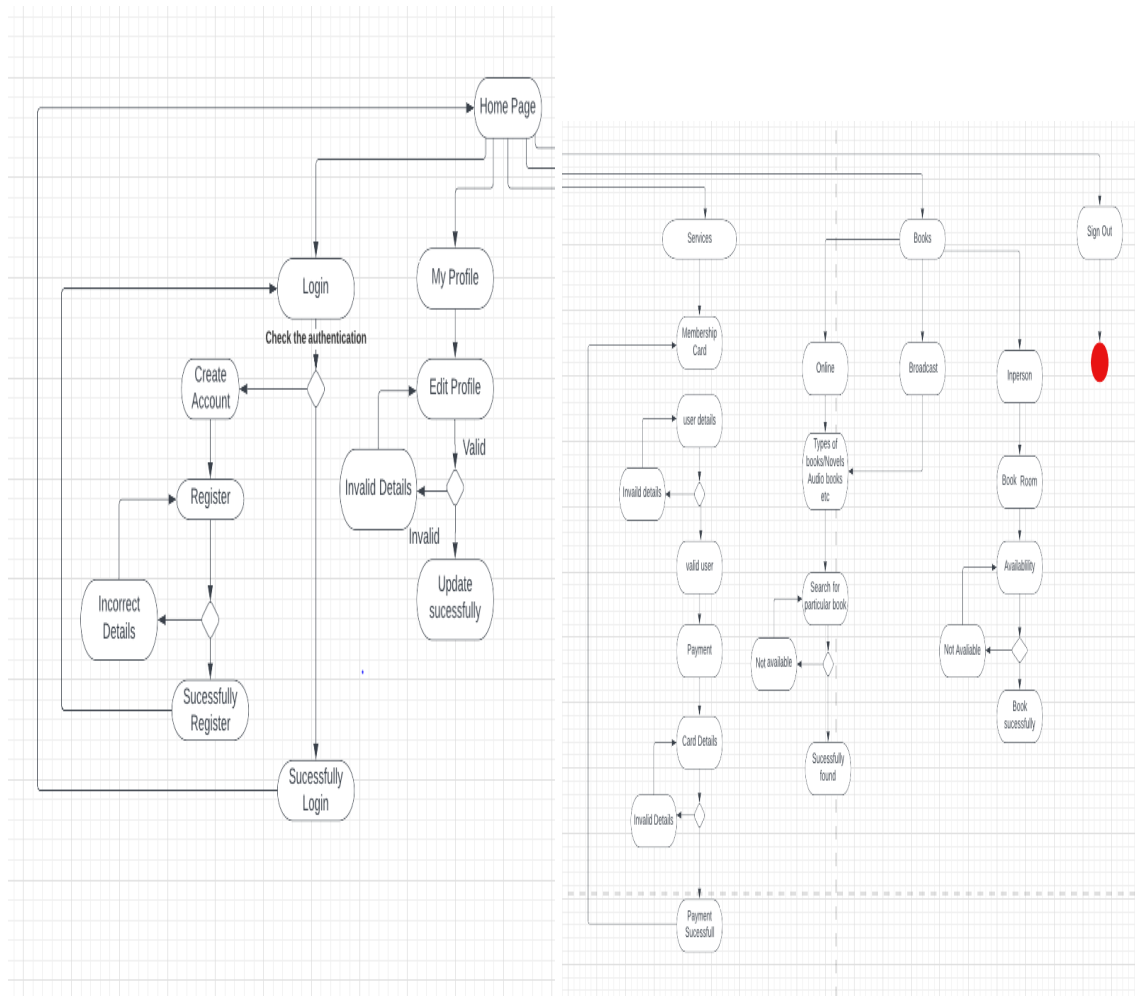
Use case Id	ML-22
Use case Name	Manage categories of books
Actors	Admin/Attendant
precondition	
Main success scenario	
alternatives	NA
Post condition	

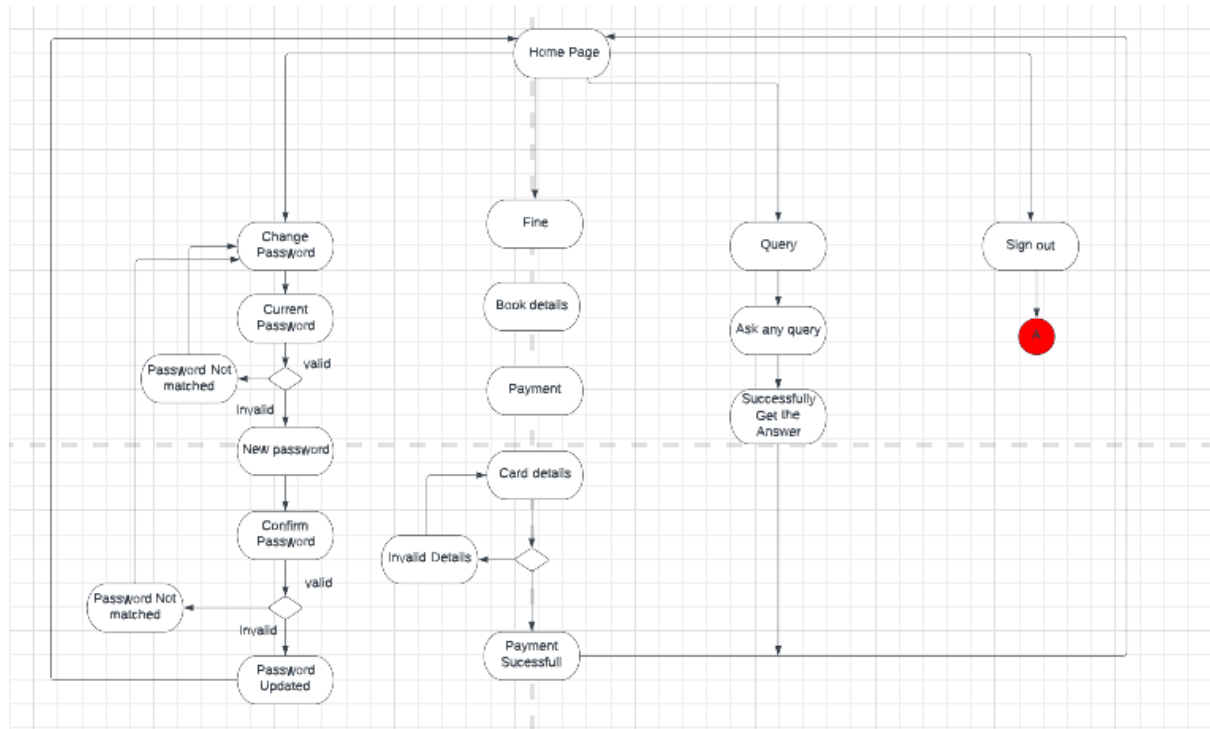
## USE CASE DIAGRAM



# Activity Diagram

User





## Admin

