LIBROMATE
Bound to read

A BOOK SHARING WEB PORTAL

PROJECT REPORT

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PROJECT MENTOR

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PROJECT DEVELOPERS

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Project Idea (What is the need ?) -

We have often come across a situation when we are in a need of some resource and we don't have it.This is because either the resource is unavailable or present in very limited amounts.Through our web application, we aim at overcoming the same problem with one such resource i.e BOOKS !!

Project Description -

Let's consider a situation - in school/college library it often happens that there is no availability of certain books other than academics which a student want to read. But that same book could be available with some other person on the campus.But the problem is that we couldn't get to know about that person who possesses it. We may call our friends for the same, but the resource may be available with some other person on campus.

In response to this problem Libromate - A Book Sharing Web Portal comes to your rescue. And yes this could also be used for Academics related books.

Working -

Consider two users A and B. A and B first create an account on our portal. Both the users add a list of books through Add Books link. Once added these books are immediately shown into their dashboard.Now suppose B wants a books named ' Harry Potter', then he will simply search that book and suppose it is found with A. Then B will simply request that book through the interface.If A agrees to share the book then he will accept the request following which the contact details of A will be available to B and vice-versa.

Users can also earn points via sharing their books. The criteria points distribution is:

- Add a book: +1
- Share a book: +4
- Borrow a book: -2

Technologies used in the project -

We have used **PHP** for backend development and **MySQL** for database management.Tech used in developing front end interface are - **HTML5**, **CSS3**, **Bootstrap 4** & **JavaScript.**

Features and Functionalities -

Libromate is based on 2 user levels, namely admin and normal user. A normal user can perform functions like Add Book , Modify Book , Request Book and the also View Profile and Update it. At the admin level, the admin can Access user details and Modify it. Also the admin will act as a mediator to add books finally into the table and also modify it.

Project Installation -

- Copy all the project files to the localhost folder (/var/www/html) in your system

- Create a new user with following credentials :-
  - Username: slp
  - Password: qwerty
  - Database_name: libromate

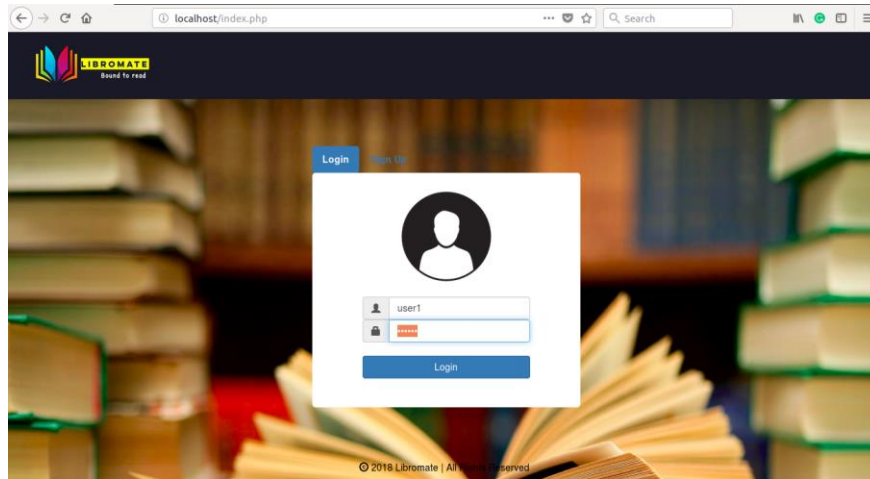 CREATE USER 'slp'@'localhost' IDENTIFIED BY 'qwerty';
  GRANT ALL PRIVILEGES ON libromate.* TO 'slp'@'localhost';
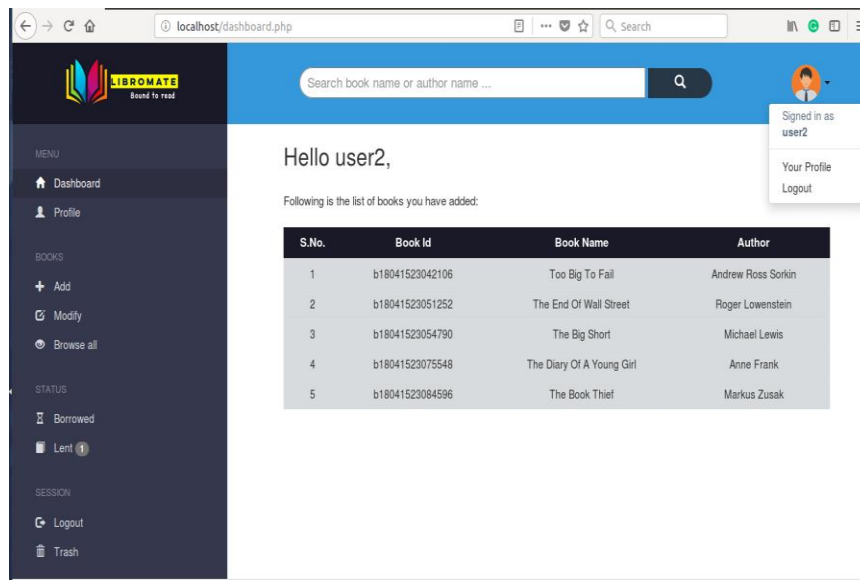
- Dump the database.sql file to the database.
  mysql -u slp -p -h localhost libromate < database.sql;

- Run the project using the URL - "localhost"

Project Screenshots –

1. Login Page

2. **Dashboard-** Shows the list of all books you have added.

3. Profile- Here you can view and edit your profile info.
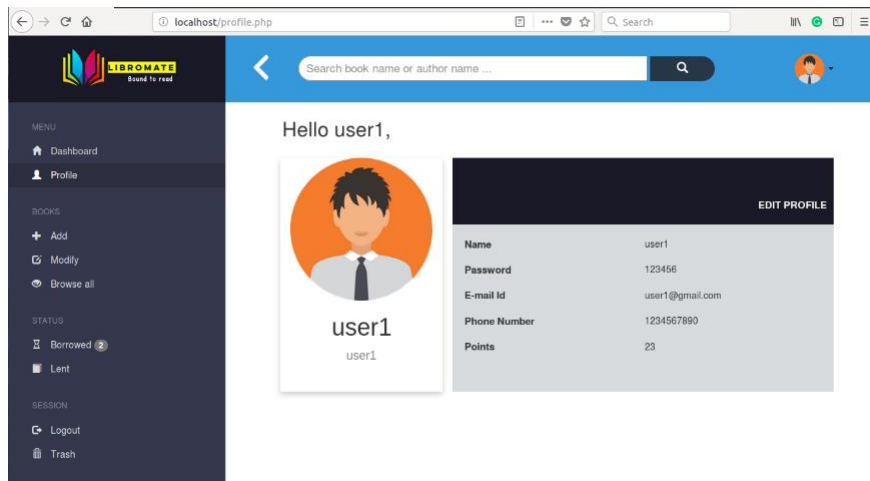
4. Add Book- Here you can add a new book to your account.
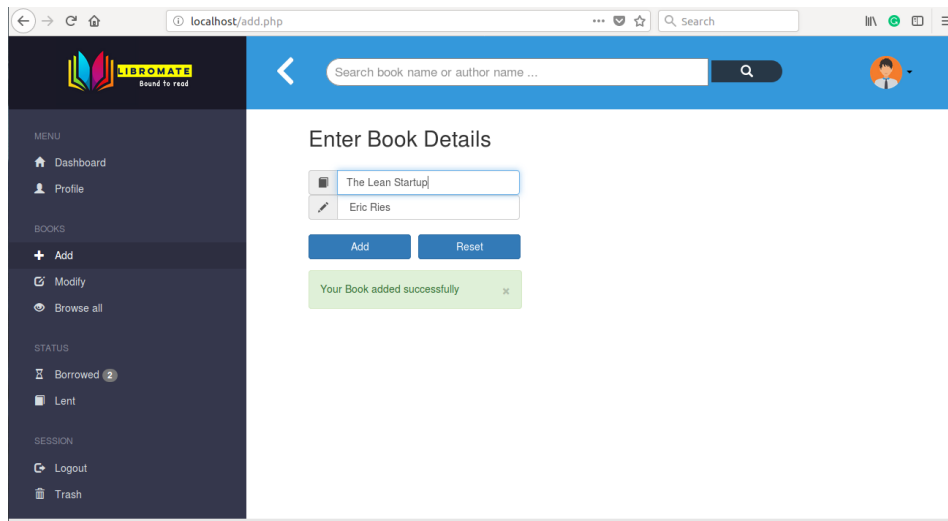
5. Search- It is used to search for a book that you want to borrow.
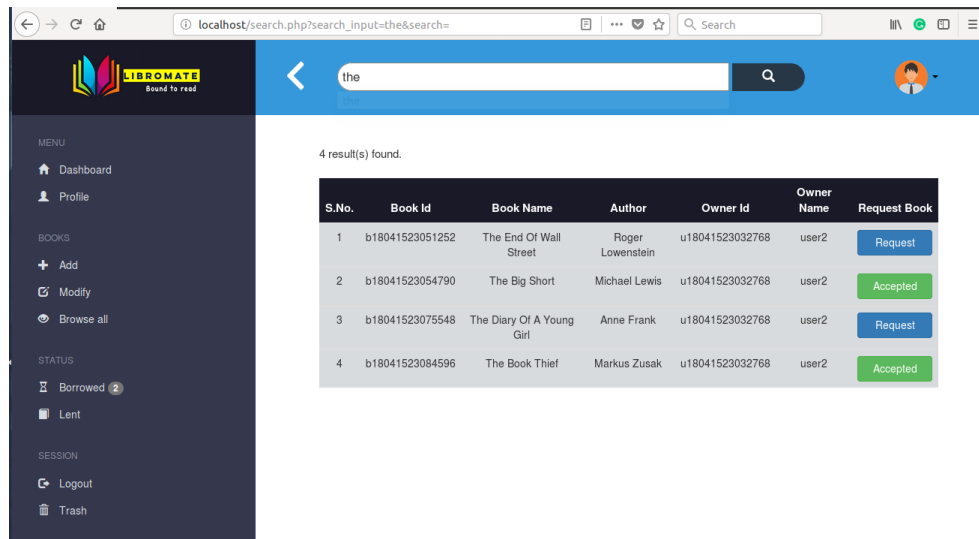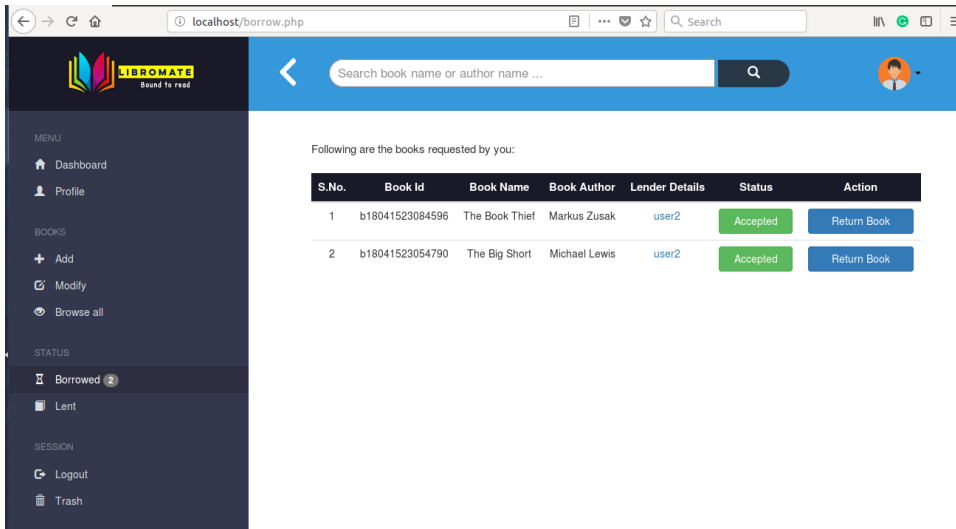
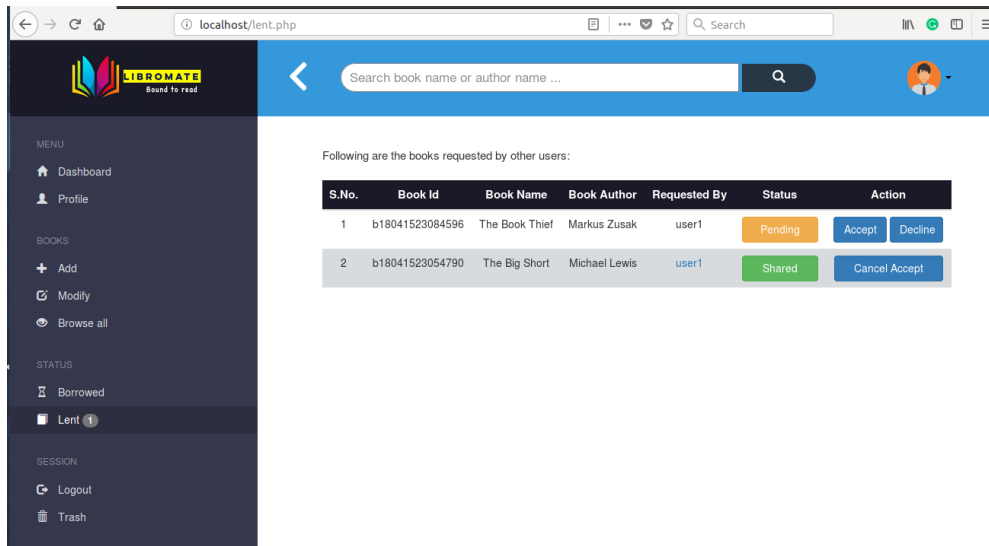**6. Modify-** Here you can edit the book details as well as there is a option for deleting a book also.
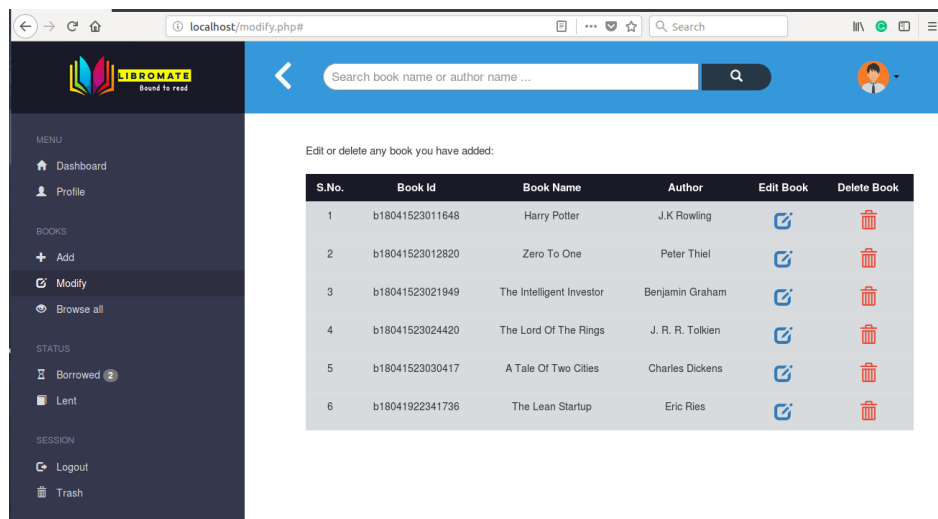
7. Borrowed- It shows the book you have borrowed till
  date.
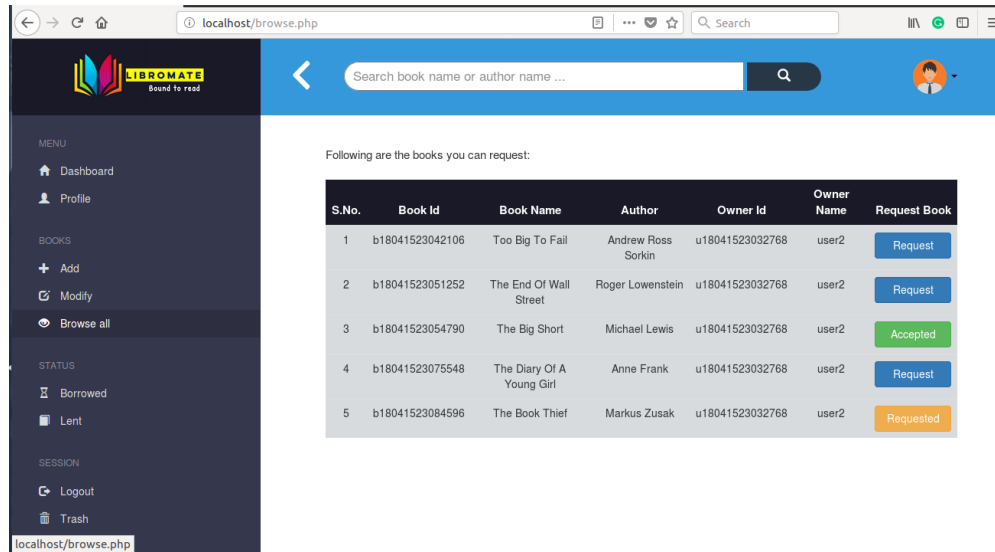
8. Lent- It shows the books which you have shared with others.
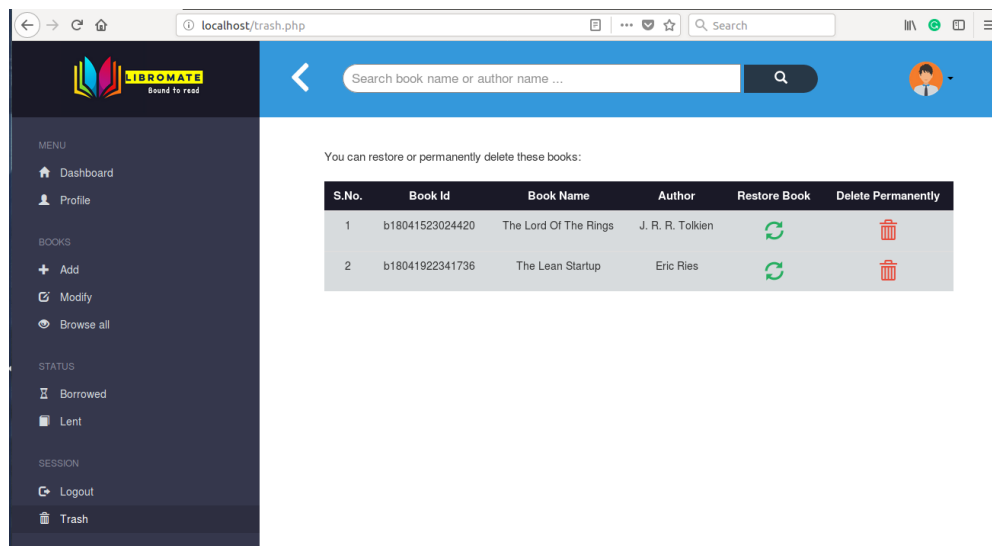
9. Browse All- It shows all the books present on the platform.

10.   Trash- It shows the book deleted by you, which can be recovered or permanently deleted from there.

Reference/Study material links -

- PHP & MySQL : Lynda - PHP With MySQL - Essential Training videos
  www.w3schools.com , www.tutorialrepublic.com
- CSS 3 ,Bootstrap 4, Javascript : Coursera - HTML CSS Javascript www.w3schools.com
- Reference - www.stackoverflow.com

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