

A Project Report
On
“Online Book Management System”

By
Pooja Ghope
Bachelor of Engineering
In
Computer Science and Engineering
Batch: 2020-4965

Under the Guidance of,
Mr. V Jayanth
Technical Trainer



EDUBRIDGE LEARNING PVT. LTD.

(School of Coding)

401, Kushwah Chambers, 702 Makwana Rd,
Gamdevi, Marol, Andheri (E), Mumbai-59

2021

INTRODUCTION

A Book Management System is a software built to handle the primary housekeeping functions of a library. Libraries rely on Book management systems to manage asset collections as well as relationships with their members. Library management systems help libraries keep track of the books and their checkouts, as well as members' subscriptions and profiles. Book management systems also involve maintaining the database for entering new books and recording books that have been borrowed with their respective due dates.

This project mainly explains the various actions related to librarian and book details. This project shows some ease in adding, updating and deleting the librarian and book details.

Project Includes:

- Admin Module
- Librarian Module

I have developed this application in **java, jsp, servlet and mysql**. It is a web based application so I have used HTML, CSS and JavaScript too. The main feature of project is to manage the records of book details and librarian details.

In our project there is only one admin. Admin has right to do all operation related to librarian. i.e Admin can add librarian, view librarians, update librarian information and delete too.

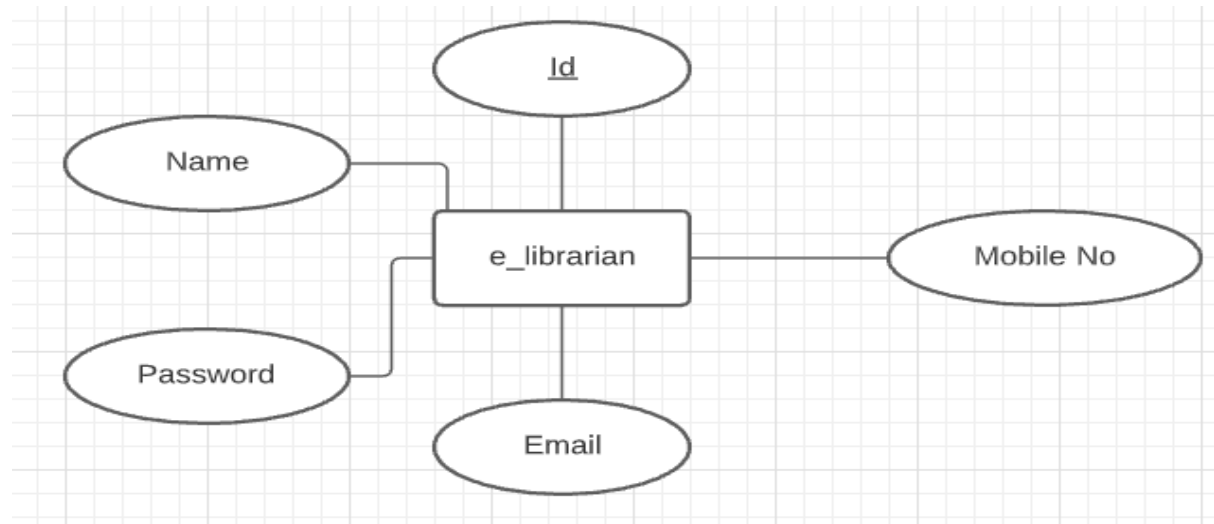
And Librarian can do all operation related to book details. Librarian can add book details, update book details, issued book details and return book details.

Software Requirements

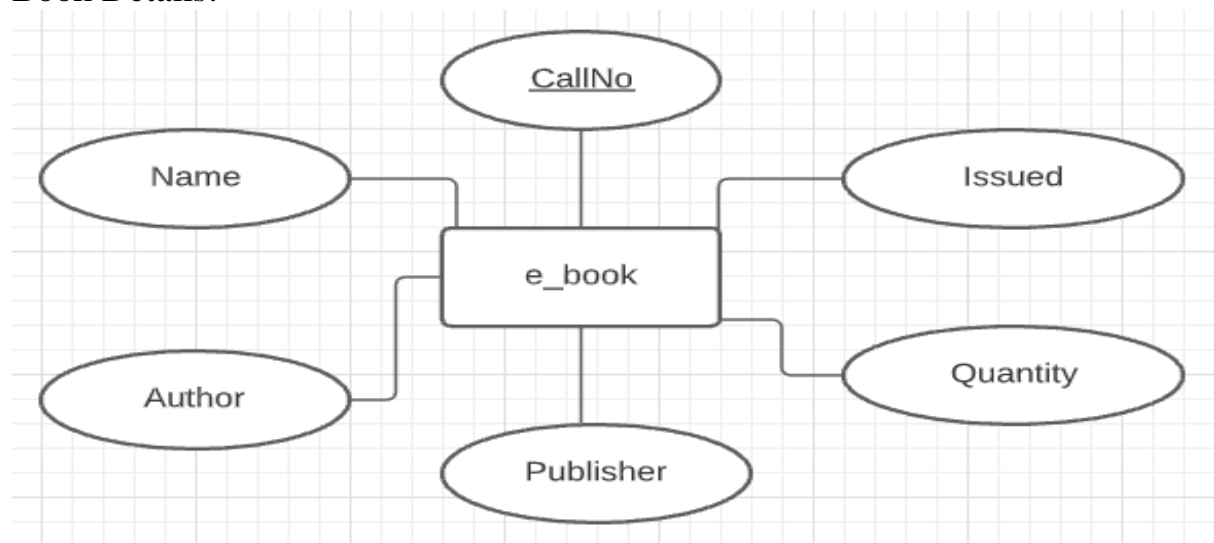
- Front end : Java/J2EE technologies (Servlet, JSP), HTML, CSS, JDBC
- Back end : MySQL
- Middleware/Server : Apache Tomcat v9.0
- IDE : Eclipse IDE for Java EE Developers
- Browser : Best result on Google Chrome
- Operating System : Window 10

ERD (Entity Relationship Diagram)

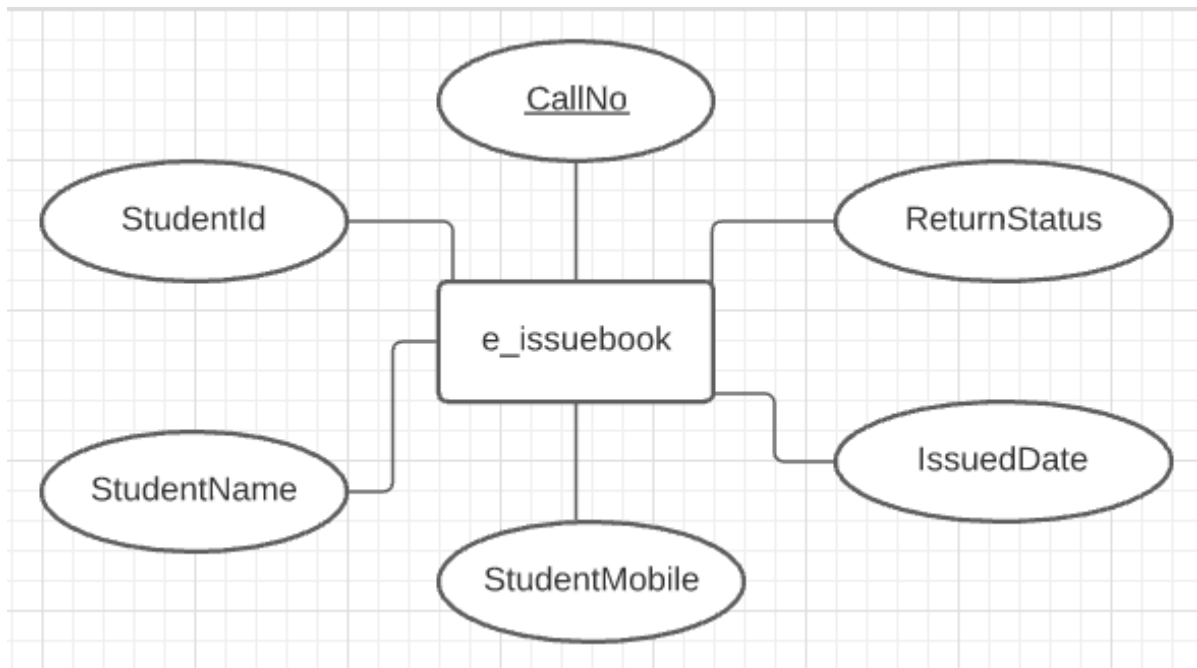
Librarian Details:



Book Details:



Issued Book Details:



DATABASE

create database SampleD;

use SampleD;

Librarian table :

```
CREATE TABLE `E_LIBRARIAN`  
(  
    `ID` DOUBLE NOT NULL,  
    `NAME` VARCHAR(400),  
    `PASSWORD` VARCHAR(400),  
    `EMAIL` VARCHAR(400),  
    `MOBILE` DOUBLE,  
    CONSTRAINT `E_LIBRARIAN_PK` PRIMARY KEY (`ID`)  
);
```

```
select * from `E_LIBRARIAN` ;
```

Book table :

```
CREATE TABLE `E_BOOK`  
(  
    `CALLNO` VARCHAR(400) NOT NULL,  
    `NAME` VARCHAR(400),  
    `AUTHOR` VARCHAR(400),  
    `PUBLISHER` VARCHAR(400),  
    `QUANTITY` DOUBLE,  
    `ISSUED` DOUBLE,  
    CONSTRAINT `E_BOOK_PK` PRIMARY KEY (`CALLNO`)  
);
```

```
select * from `E_BOOK` ;
```

Issue Book details table :

```
CREATE TABLE `E_ISSUEBOOK`  
(  
    `CALLNO` VARCHAR(400) NOT NULL,  
    `STUDENTID` VARCHAR(400) NOT NULL,  
    `STUDENTNAME` VARCHAR(400),  
    `STUDENTMOBILE` DOUBLE,  
    `ISSUEDDATE` DATETIME,  
    `RETURNSTATUS` VARCHAR(400)  
);
```

```
select * from `E_ISSUEBOOK` ;
```

SCREENSHOTS

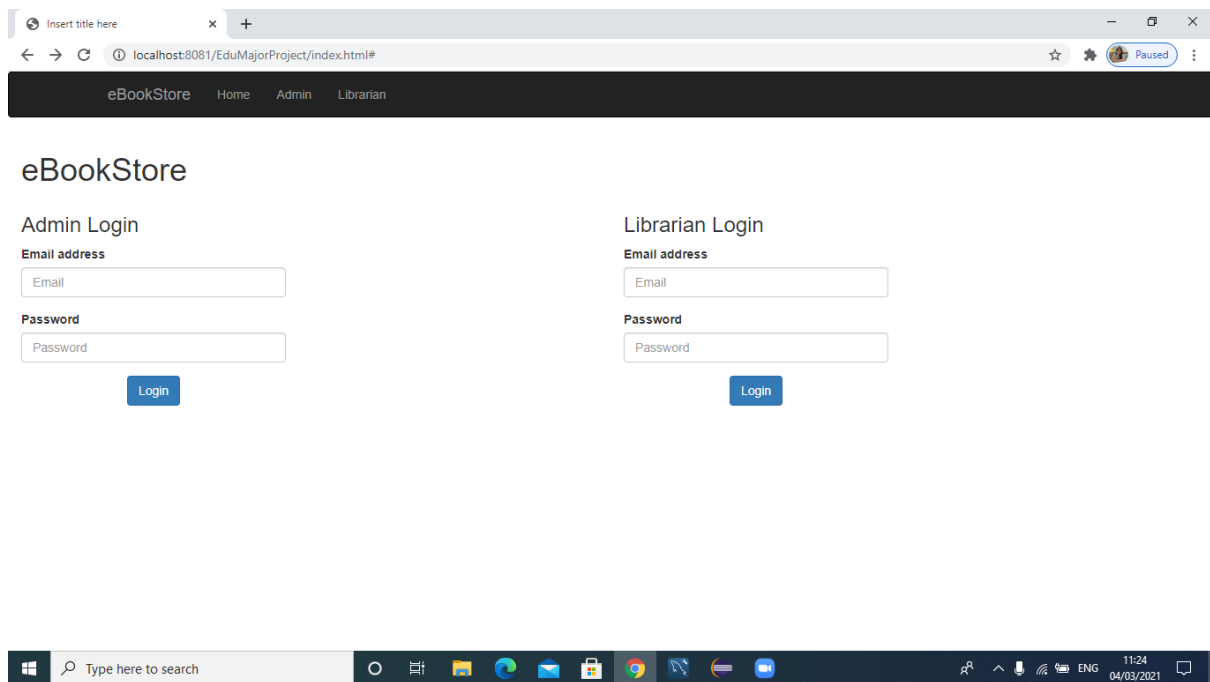


Fig 1. Home Page

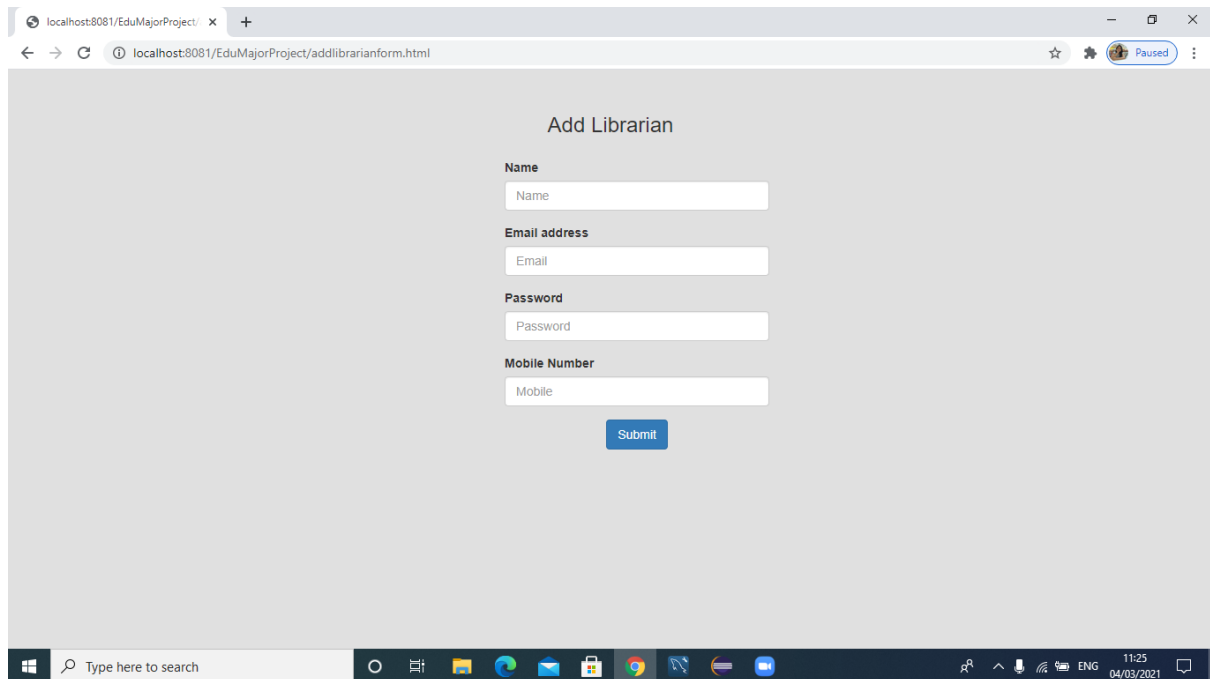


Fig 2. Add Librarian

Edit Librarian Form

localhost:8081/EduMajorProject/EditLibrarianForm?id=2

eBookStore Home Add Librarian View Librarian Logout

Name

Name

Email address

Email

Password

Password

Mobile Number

Mobile

Update

Fig 3. Update Librarian

View Librarian

localhost:8081/EduMajorProject/ViewLibrarian

eBookStore Home Add Librarian View Librarian Logout

Id	Name	Email	Password	Mobile	Edit	Delete
2	pooja	poojaghope2805@gmail.com	123	9892422485	Edit	Delete
4	asdfg	ghopegauree45@gmail.com	234	9860457291	Edit	Delete
6	gaurn	mlthlesthghope1996@gmail.com	234	9326764836	Edit	Delete
8	Arati	arti123@gmail.com	234	9860457291	Edit	Delete
9	Pravin D	pravin@gmail.com	pravin123	9689685154	Edit	Delete
10	asdfg	ghopegaur5@gmail.com	qwer	7738933228	Edit	Delete

Fig 4. View and Delete Librarian

Add Book Form

Callno

Name

Author

Publisher

Quantity

Issued

[Save Book](#)

Fig 5. Add Book details

View Book

localhost:8081/EduMajorProject/ViewBook

eLibrary Home Add Book View Book Issue Book View Issued Book Return Book Logout

Callno	Name	Author	Publisher	Quantity	Issued	Delete
3	sql	hhjipolu	minbvc	4	0	Delete
4	POOJA GHOPE	jjkjk	hkhjji	3	0	Delete
5	C programming	Dennis Ritchie	A k	3	0	Delete

Fig 6. View and Delete Book

localhost:8081/EduMajorProject/ x +

localhost:8081/EduMajorProject/issuebookform.html

Issue Book Form

Book Callno

Student Id

Student Name

Student Mobile

Issue Book

Type here to search

11:31 04/03/2021

Fig 7. Issue Book

localhost:8081/EduMajorProject/ x +

localhost:8081/EduMajorProject/returnbookform.html

Return Book Form

Callno

Student Id

Return Book

Type here to search

11:32 04/03/2021

Fig 8. Return Book

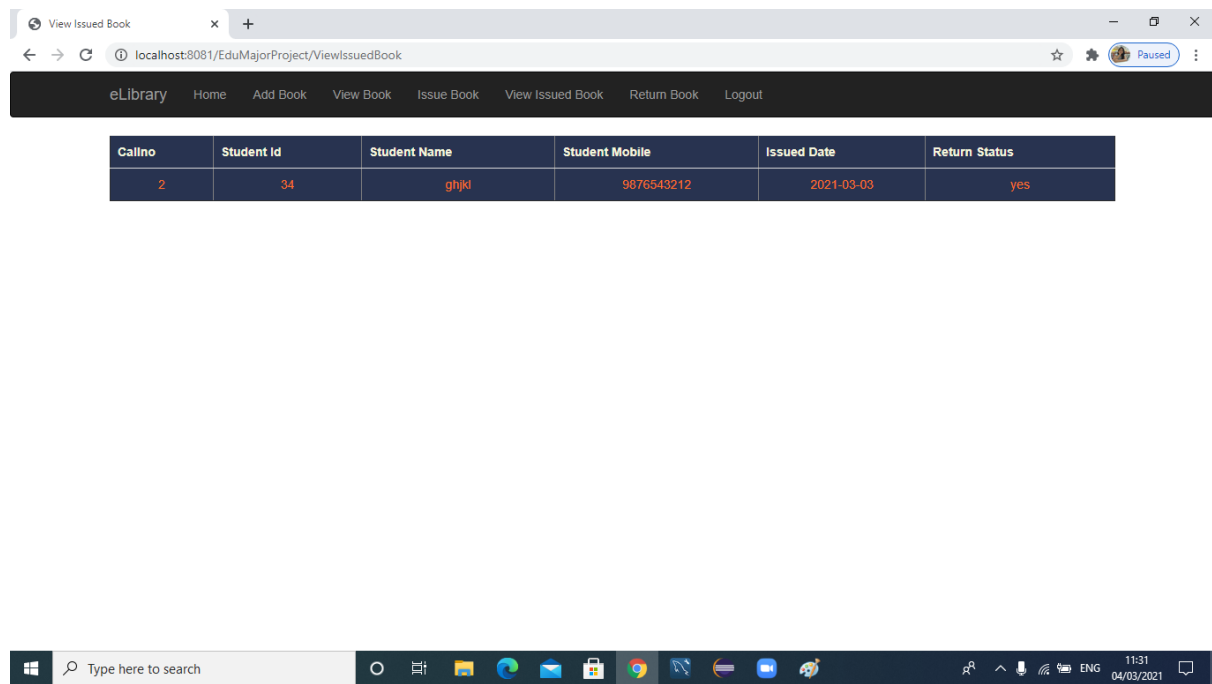


Fig 8. View Issued Book details

Conclusion :

Online BookStore is a web application where student can issue book from librarian. In the project there is one admin who can handle all the operations related to librarian that means librarian can add the book, update book details, delete book and admin can handle all the operations related to librarian. Admin can add librarian, update, delete librarian.