EduBridge

A Project

Report On

Library Management System

By

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B.E

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Center: Pune

Under the Guidance of,

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Introduction:

Our project explains about the Online Library Management System. This project mainly explains the various actions related to online library management system. Online library management is an automated library system that handles various functions of the library. It provides complete solution to the library management system. This software helps in different ways by providing students the facility to learn, gather resources, promote group learning and improve knowledge and skills.

Features of Online Library Management System
- Integration of all records of students
- Manage the records systematically
- It can track any information online
- Easy to maintain records
- It leads to fast book entry

Our Project Includes **Modules:-**
- Admin Module

- Librarian Module

- Student Module

I have developed this Application in **Java, JSP, Servlets, Hibernate and MySQL.** It's a web-based projects so I have used **HTML, CSS, JavaScript and Bootstrap also**.

Library Management System helps the students in better learning by providing quick access to the library system. You can access this website from anywhere and everywhere.

In Admin-Login module, admin can add, view and delete the librarian and student. He can also view the total number of books present in the website. And students and librarian details also. Admincan only see the admin page.

In Librarian-Login module ,librarian can add and delete the books. He can also view total number of books issued and returned by the students in the website.

In Student-Login module, student can access the website, issue and return the books present in the library. New students can register and login into the website.

Software Requirements:

Front end: Java/J2EE technologies (Servlet, JSP), HTML, CSS, JavaScript, Bootstrap, Hibernate.

Back end: MySQL workbench 8.0.23CE.

Middleware/Server: Apache Tomcat v8.5. IDE: Eclipse IDE for Java EE Developers

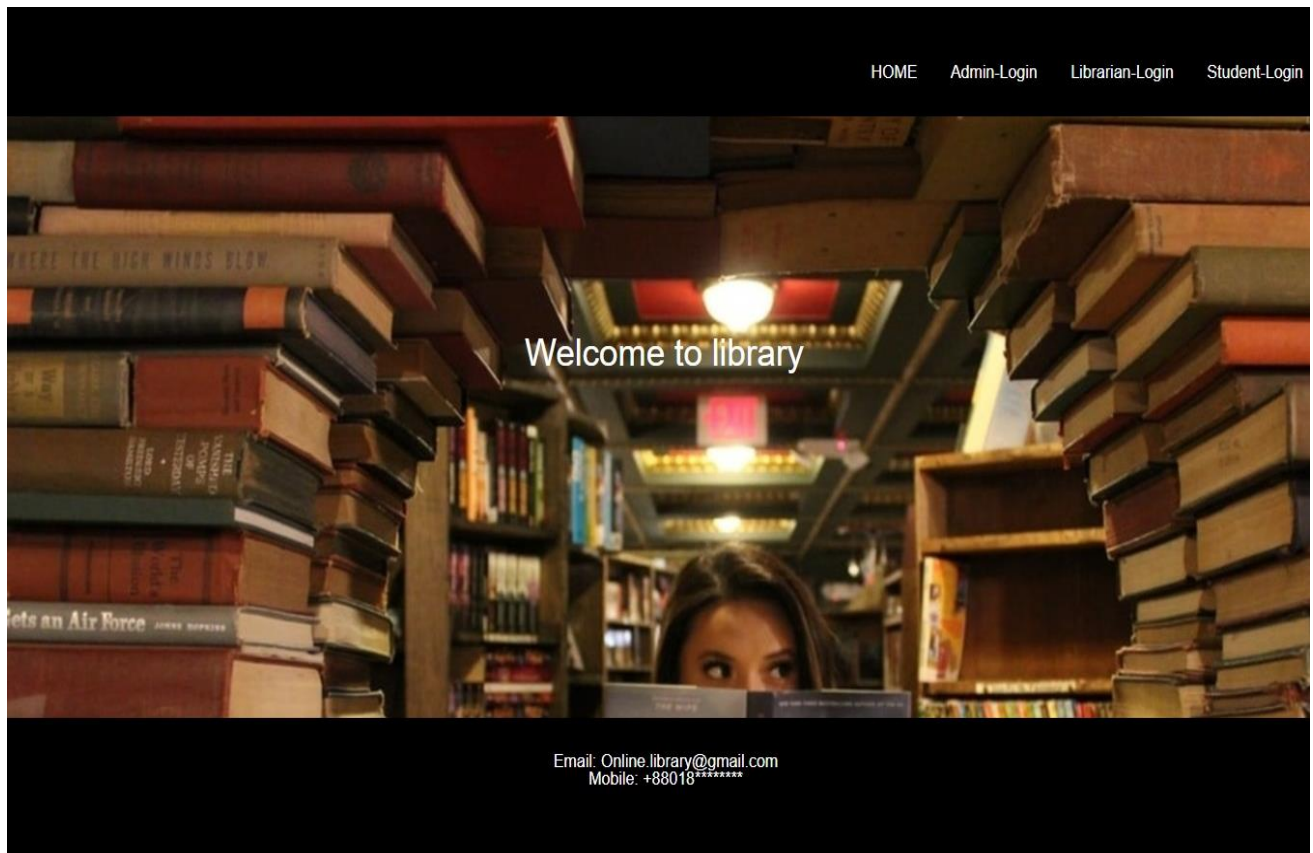**Browser:** Best result on Google Chrome
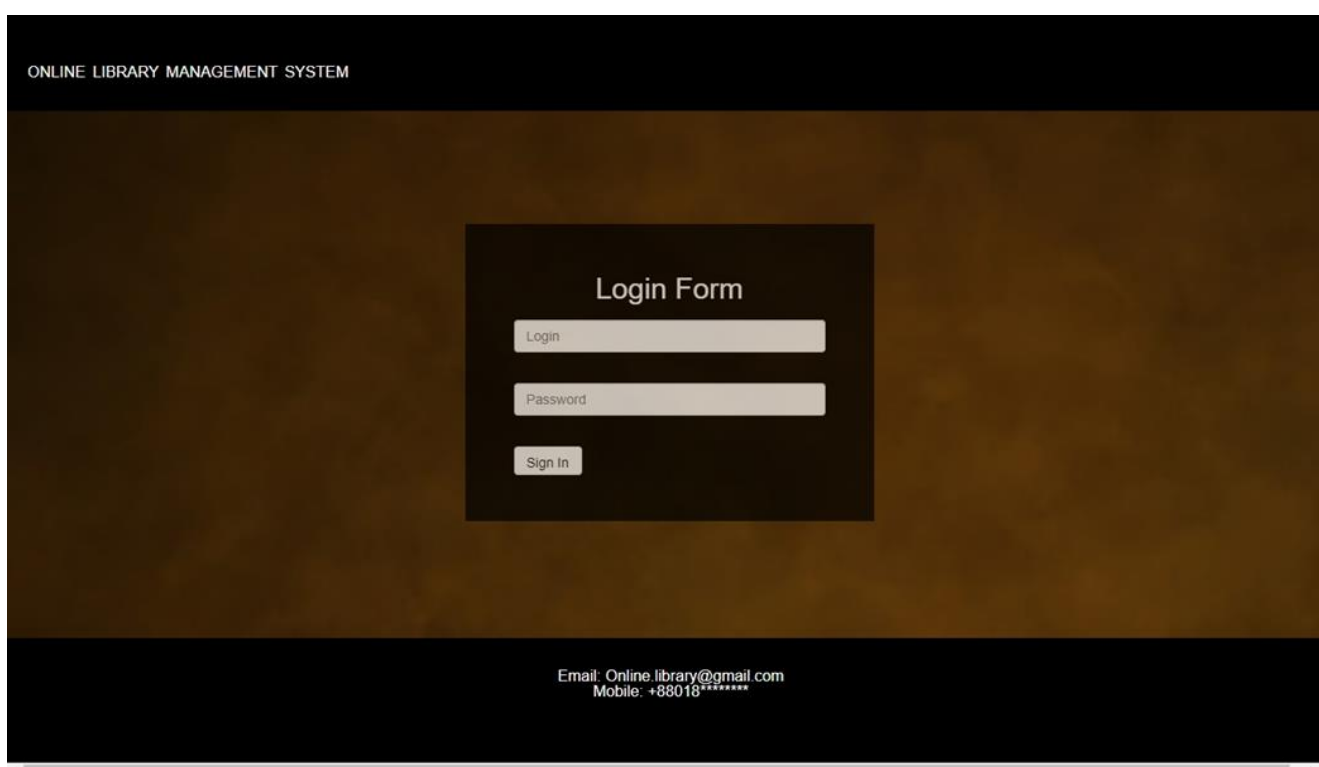
Operating System: Window 10

Data Dictionary:

- Create Database LibraryDatabase.

• Hibernate: create table Admin (AdId integer primary key auto_increment, Adname varchar(100) not null, Ademail varchar(100),Adpassword varchar(100) not null).

• Hibernate: create table Librarian (libid integer primary key auto_increment, libname varchar(100)not null, libemail varchar(100) not null, libemail varchar(100)not null, libpassword varchar(100)not null, libcontact varchar(100)not null).

• Hibernate: create table Student (studentid integer primary key auto_increment, studenrollment varchar(100) not null, studname varchar(100) not null,studemail varchar(100) not null,studpassword varchar(100) not null,studcontact varchar(100) not null).

Screenshots:-

Home Page:

HOME   Admin-Login   Librarian-Login   Student-Login

Welcome to library

Email: Online.library@gmail.com
Mobile: +88018********

Login Page:

ONLINE LIBRARY MANAGEMENT SYSTEM

Login Form

Login

Password

Sign In

Email: Online.library@gmail.com
Mobile: +88018********
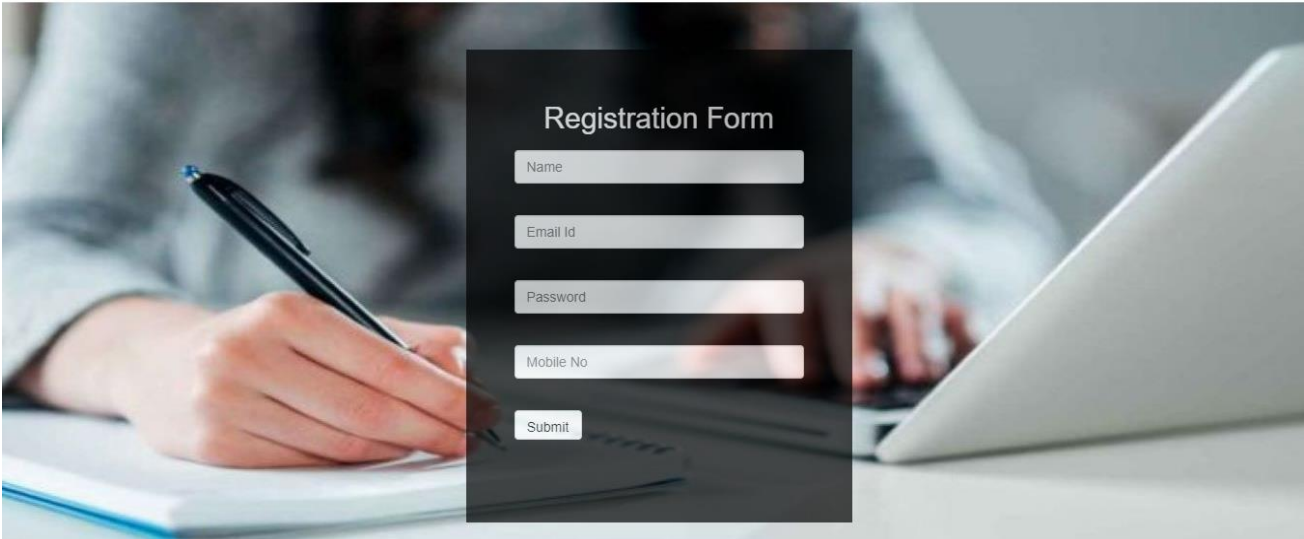
Register Page:

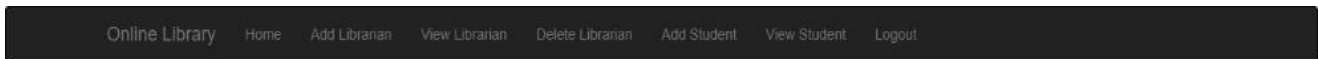

ONLINE LIBRARY MANAGEMENT SYSTEM

Registration Form

Name

Email Id
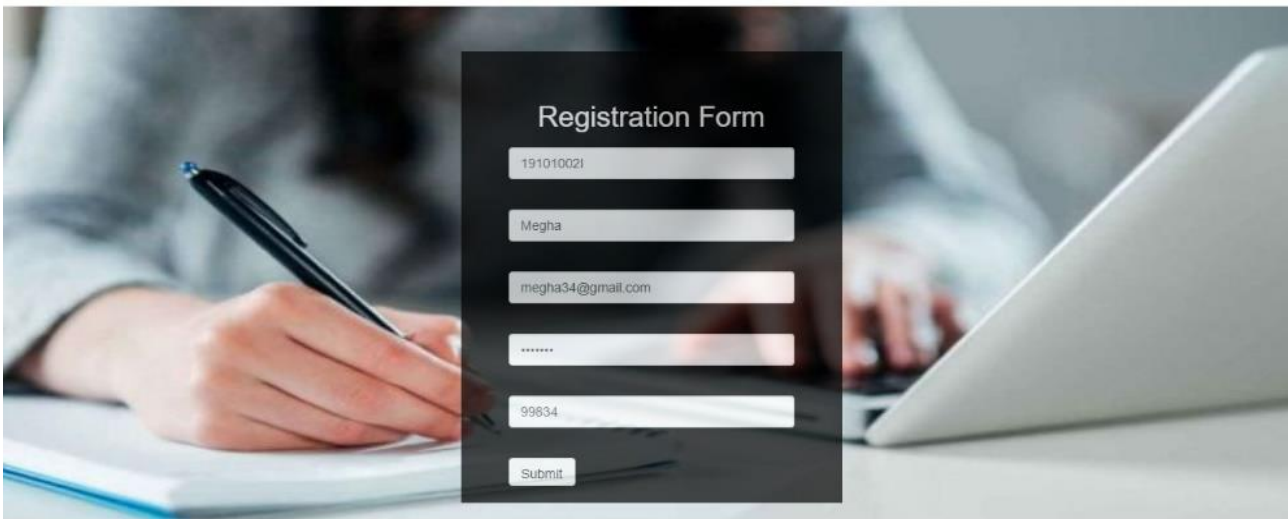
Password

Mobile No

Submit

Email: Online.library@gmail.com
Mobile: +88018********

Registering with data:

ONLINE LIBRARY MANAGEMENT SYSTEM

Registration Form

19101002I

Megha

megha34@gmail.com

•••••••

99834

Submit

Email: Online.library@gmail.com
Mobile: +88018********

Admin Home Page:

Librarian Home Page:
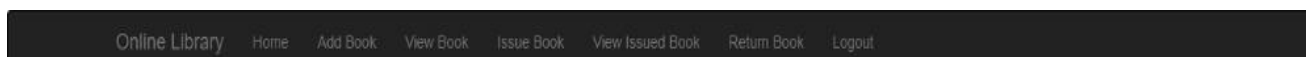
Student Home Page:
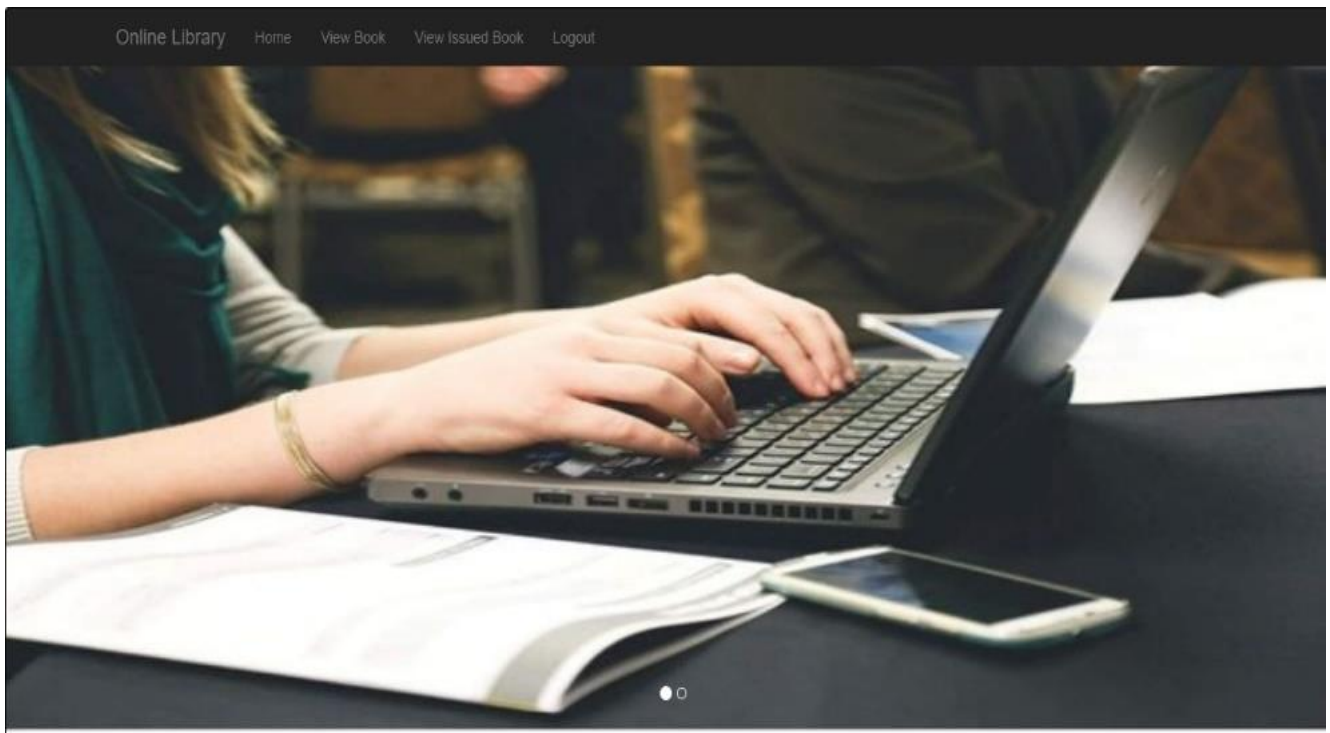
Add Books:

Issue Book :

ONLINE LIBRARY MANAGEMENT SYSTEM

Issue Book

Book Id

Student Id

dd-mm-yyyy

Issue Book

Email: Online.library@gmail.com
Mobile: +88018********

Return Book :

ONLINE LIBRARY MANAGEMENT SYSTEM

Return Book

Book Id

Student Id

dd-mm-yyyy

Return Book

Email: Online.library@gmail.com
Mobile: +88018********

View Books :

List Of Books

Book Id	call Number	Name	Author	Publisher	Copies	Issued
1	JC71P35	Wings of fire	Abdul Kalam	Universities Press	8	0
2	LC3501	The Jungle Book	Rudyard Kipling	Macmillan	5	1
3	QL7379	HarryPotter	J.K.Rowling	Bloomsbury Publishing	6	0
4	G25001	The Legends	Marie Lu	Penguin Books	3	0
5	GC456	The Secret	Rhonda Byrne	Universities Press	5	0
6	kP25001	One Indian Girl	Chetan Bhagat	Roopa & Company	8	0

View Issued Books :

Issued Books

Book Id	Student Id	Issue Date	Return Status
5	5	2021-12-19	No
4	3	2021-12-08	Yes
4	5	2021-12-19	No
2	3	2021-12-08	No
2	3	2021-12-08	No

View Librarian :

List Of Librarian

Id	Name	Email	Password	Contact	Edit
1	Librarian2	librarian@gmail.com	defg	77756	Edit
3	Keerti	keerti@gmail.com	89keert	78965	Edit
5	Rakesh	rakesh@gmail.com	rak99	67798	Edit
6	Deepika	deepika3@gmail.com	deep98	66785	Edit

View Student :

List Of Student

Student Id	Enrollment Number	Name	Email	Password	Contact	Edit
1	19101001A	Priyanka	priya21@gmail.com	xyz	89640	Edit
2	19101002B	aparna	aparnaiti004@gmail.com	22aparna	66678	Edit
3	19101003C	Asha	asha@3gmail.com	ash45	99567	Edit
4	19101004D	Suma	suma@gmail.com	suma@	88976	Edit
5	19101005E	Nikita	niki@67gmail.com	nik45	99564	Edit
6	19101007H	Chinmay	chinnu@gmail.com	chin@34	78896	Edit
7	19101007H	meena	meena@gmail.com	meena34	67865	Edit
8	19101005L	@reeta	reeta004@gmail.com	demo	99875	Edit
9	19101006I	@sindhu	sindhu@gmail.com	sindu5	66784	Edit
10	19101008R	Riya	riya@gmail.com	root	99567	Edit
11	19101008R	Riya	riya@gmail.com	root	99567	Edit
12	19101002I	Megha	megha34@gmail.com	megha34	99834	Edit

Data Added in Student Database SuccessFully:

Data Added in Librarian Database SuccessFully

About Us:

Thank you