**A**

**REPORT**

**ON**

**Library Management System**

**Submitted for partial fulfillment of award of**

**DEGREE**

**IN**

**BACHELOR OF COMPUTER APPLICATIONS**

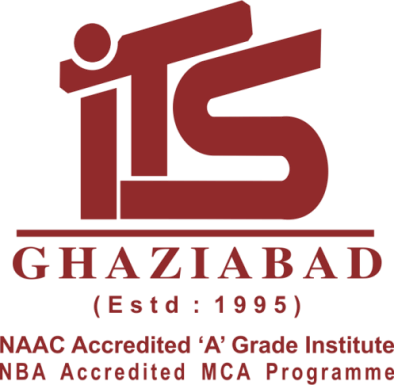
Submitted By

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Under the Supervision of

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**INSTITUTE OF TECHNOLOGY & SCIENCE**

**MOHAN NAGAR, GHAZIABAD**

**Batch: 2021-24**

**CERTIFICATE**

### This is to Certify that Arpit Sharma, 210934106072 has carried out the project work presented in this report entitled “Library Management System” for the award of Bachelor of Computer Applications from Institute of Technology & Science, Mohan Nagar, Ghaziabad, under my supervision. The report embodies result of original work and studies carried out by Student himself and the contents of the report do not form the basis for the award of any other degree to the candidate or to anybody else.

**Date: (Dr. Rohit Kumar)**

**Institute of Technology & Science**

**Mohan Nagar, Ghaziabad**

**ACKNOWLEDGEMENT**

The satisfaction that accompanies that the successful completion of any task would be incomplete without the mention of people whose ceaseless cooperation made it possible, whose constant guidance and encouragement crown all efforts with success. I have taken efforts in this project. However, it would not have been possible without the kind support and help of many individuals and organizations.

Nothing concrete can be achieved without an optimal combination of inspiration and perspiration. No work can be accomplished without taking the guidance of the experts. It is only the view and advice from ingenious intellectual that help in the transformation of a product to a quality product. I would specially like to thank and express my profound gratitude to **Prof. Shweta Kumar** for providing me an opportunity to work under her guidance and for constantly motivating me through the course of this project.

My thanks and appreciations also go to my colleague in developing the project and people who have willingly helped me out with their abilities.

Name:- Arpit Sharma

Roll No.- 210934106072

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**Introduction:**

Online Library has long been considered a recreational activity by many. Online Library is no exception. The goal of this application is to develop web based interface for online retailers. The system would be easy to use and hence make the shopping experience pleasant for the users . The goal of this application is:

* To develop an easy to use web based interface where users can search for products, view a complete description of the products and View the products.
* A search engine that provides an easy and convenient way to search for products specific to their needs. The search engine would list a set of products based on the search item.

**Purpose:**

There are large numbers of commercial Online Library websites offering large number of products tailored to meet the reading interests of large number of users. These online marketplaces have hundreds of products listed under various categories.

**Scope:**

* The current system can be extended to allow the users to create accounts.
* The users could read books of their own choice.

**Basic features of the proposed System**

The Functional& Non-Functional Requirement is as given below.

* User can register themselves and he/she can also do login in this project.
* Display the new books, books were categorized into different category.
* User can buy view books with any quantity which are available.
* Only Registered user can access the system with his/her username and password.

**Definition, Acronyms, and Abbreviations**

This definition includes: -

* HTML (Hyper Text Markup Language): It is used to create static web pages.
* JSP (Java Server Pages):-It is use for backend.
* JAVASCRIPT: It is a scripting language used for client-side web development.
* MYSQL: -It is use for database apache server.

**References:**

* IEEE SRS format
* Object Oriented systems development using Unified Modeling Language by Ali
* Bahram, publication: MeGraw-Hill, International edition 1999

**Technologies to be used:**

* HTML: Hyper Text Markup Language
* JAVA SCRIPT: Script Language
* HTTP: - Apache HTTP Server

**Overview:**

* Overall Description: This section will describe major components of the system, interconnections, and external interfaces.
* Specific Requirements: This section will describe the functions of actors, their roles in the system and the constraints faced by the System.

**Overall Description**

**Product Perspective:**

* Planned approach towards working:-The working in the organization will be well planned and organized. The data will be stored properly in data stores which will help in retrieval of information as well as its storage.
* Accuracy: - The level of accuracy in the proposed system will be higher. All operation would be done correctly and it ensures that whatever information is coming from the center is accurate.
* Reliability: - The reliability of the proposed system will be high due to the above stated reasons. The reason for the increased reliability of the system is that now there would be proper storage of information.
* No Redundancy: - In the proposed system utmost care would be that no information is repeated anywhere, in storage or otherwise. This would assure economic use of storage space and consistency in the data stored.
* Immediate retrieval of information: - The main objective of proposed system is to provide for a quick and efficient retrieval of information. Any type of information would be available whenever the user requires.
* Immediate storage of information: - In manual system there are many problems to store the largest amount of information.
* Easy to Operate: - The system should be easy to operate and should be such that it can be developed within a short period of time and fit in the limited budget of the user.

**Software Interface**

Front End Client: Client Software, Web Browser, Operating System

(Windows,Linux, etc.)

Data Base Server: Apache, Operating System

(Windows, Linux, etc.)

Back End: JSP

**Hardware Interface**

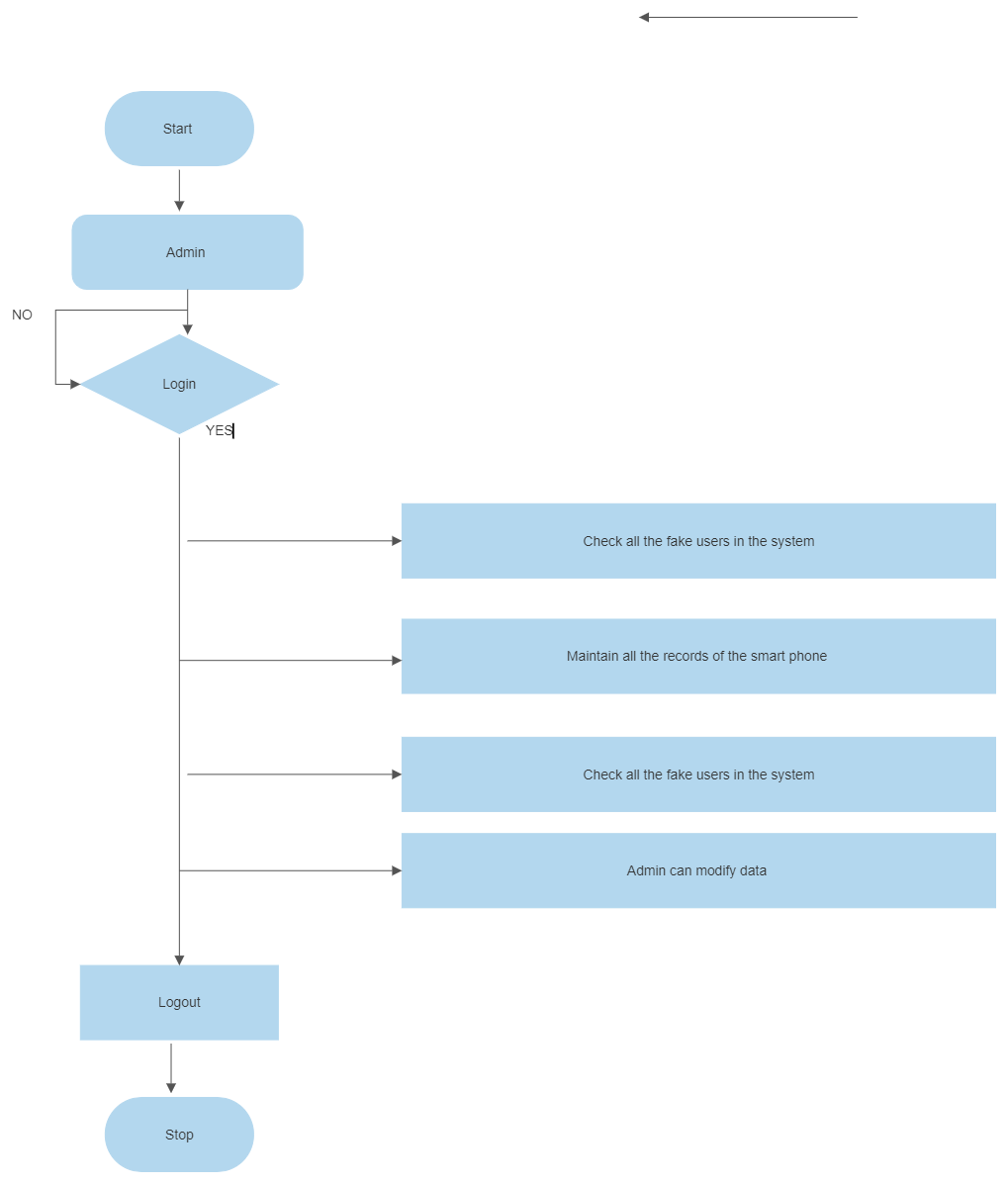
|  |  |  |  |
| --- | --- | --- | --- |
| **Minimum Hardware Requirement** | | | |
|  | **Client Side** | |  |
| NN Mozilla Firefox, Chrome | **Processor** | **RAM** | **Disk Space** |
| Pentium III at 500 MHz | 4GB | 3GB |
|  | **Server Side** | |  |
| Web sphere application server v9.1 | Pentium IV at 1.3GHz | 4GB | 4GB |
| MYSQL(Database) | Pentium IV at 1.3GHz | 2GB | 1GB(Excluding data size) |

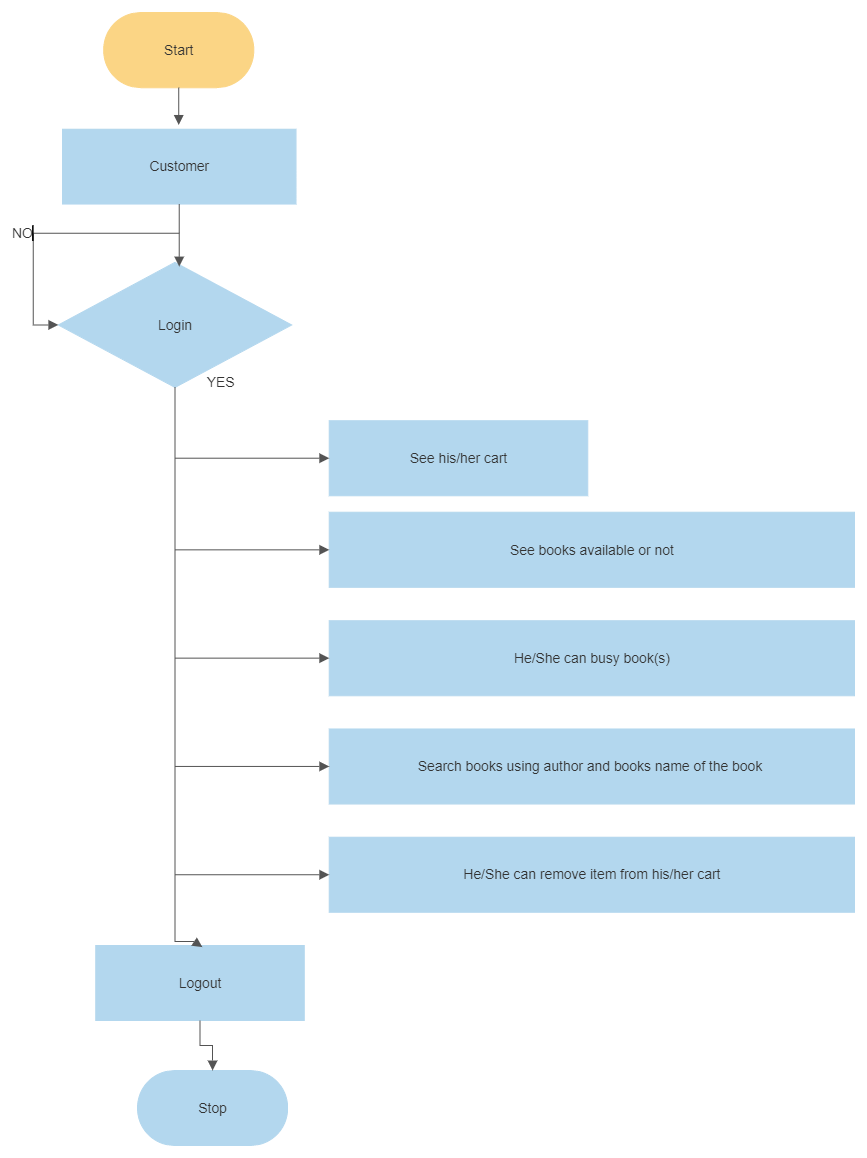
**User characteristics:**

* Every user should be comfortable of working with computer.
* Every user should be comfortable of working with net browsing.
* He must have basic knowledge of English too.
* The user must able to understand the GUI used by the developer.

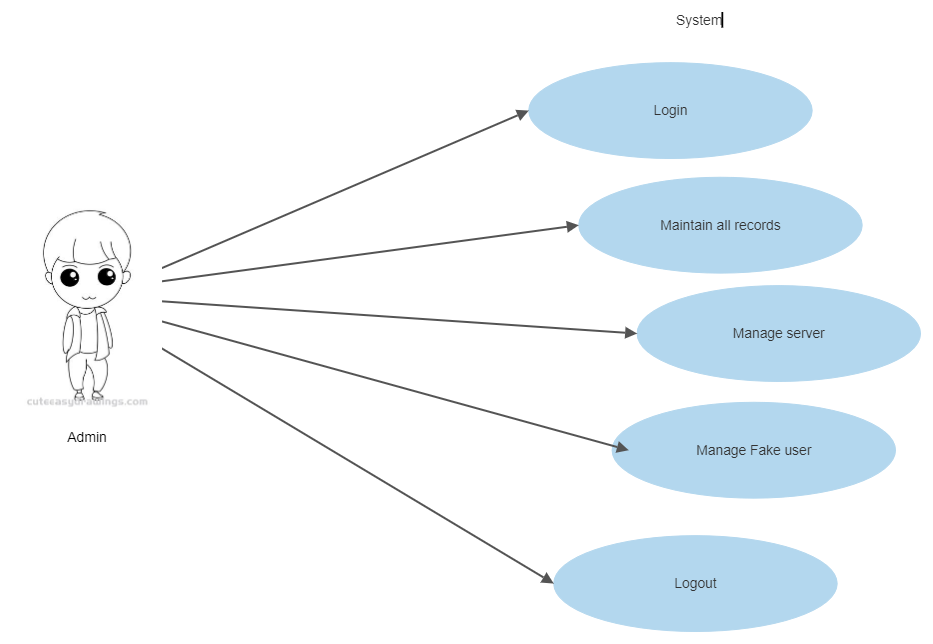
**Constraints:**

* The user interface is only in English i.e. no language option is available. User can login only with assigned username and password i.e. no guest facility is available. Limited to HTTP/HTTPS

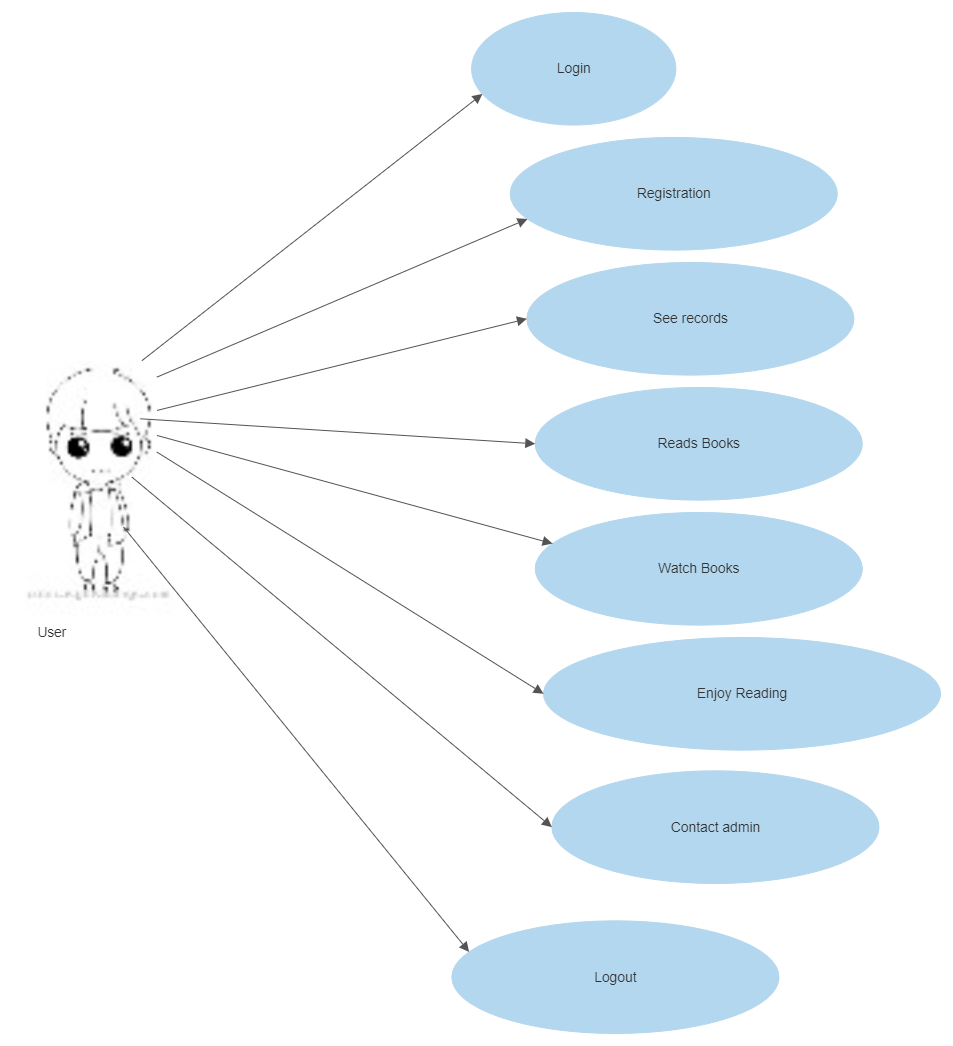




**User Case Diagram Admin**



**Use case diagram (user)**



**Class Diagram**

User

Username:

Varchar (255)

Email:

Varchar(255)

Password:

Varchar(255)

Login()

Logout()

Placeorder()

Category()

Admin

Username:

Varchar(255)

password

Varchar(255)

Login()

Logout()

Getadmin()

Getorder()

Getfakeuser()

Getproduct()

Getregistered()

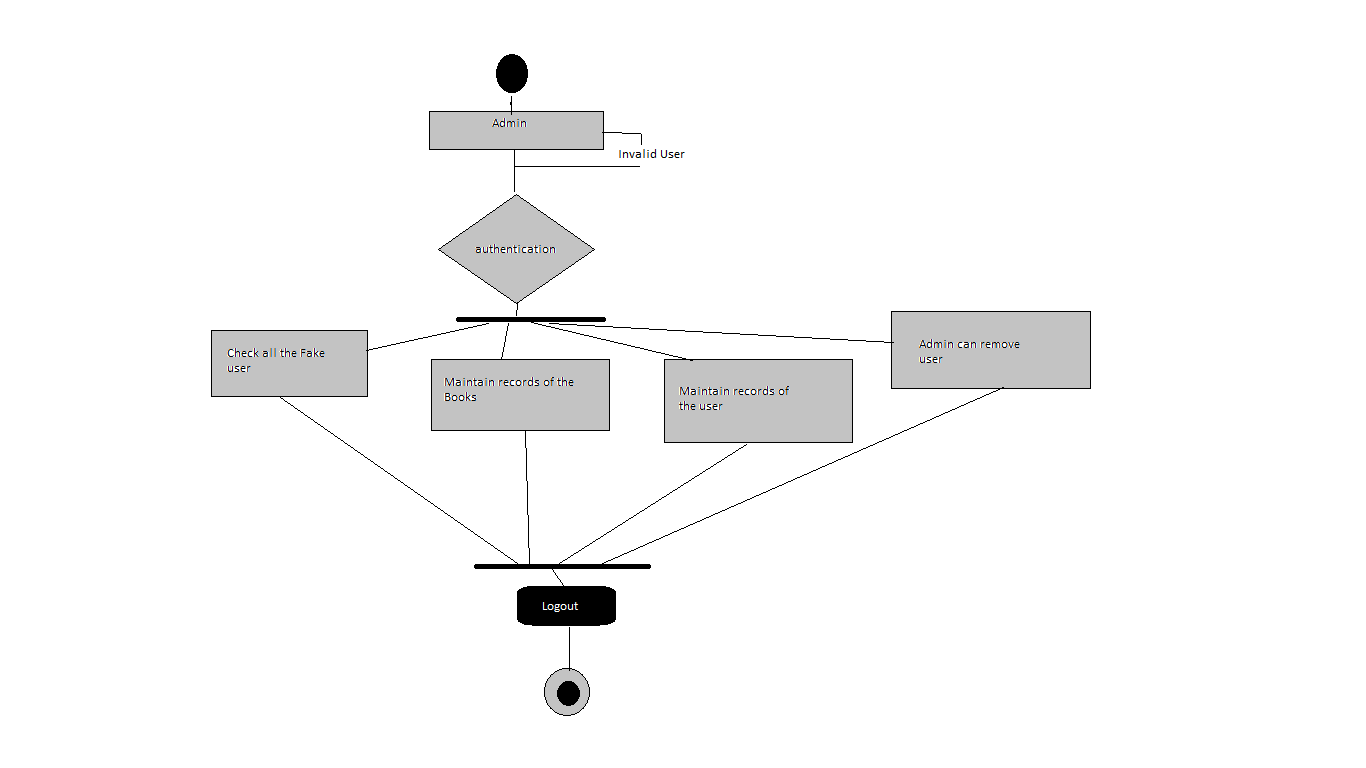
Product

Book\_IDvarchar(50)

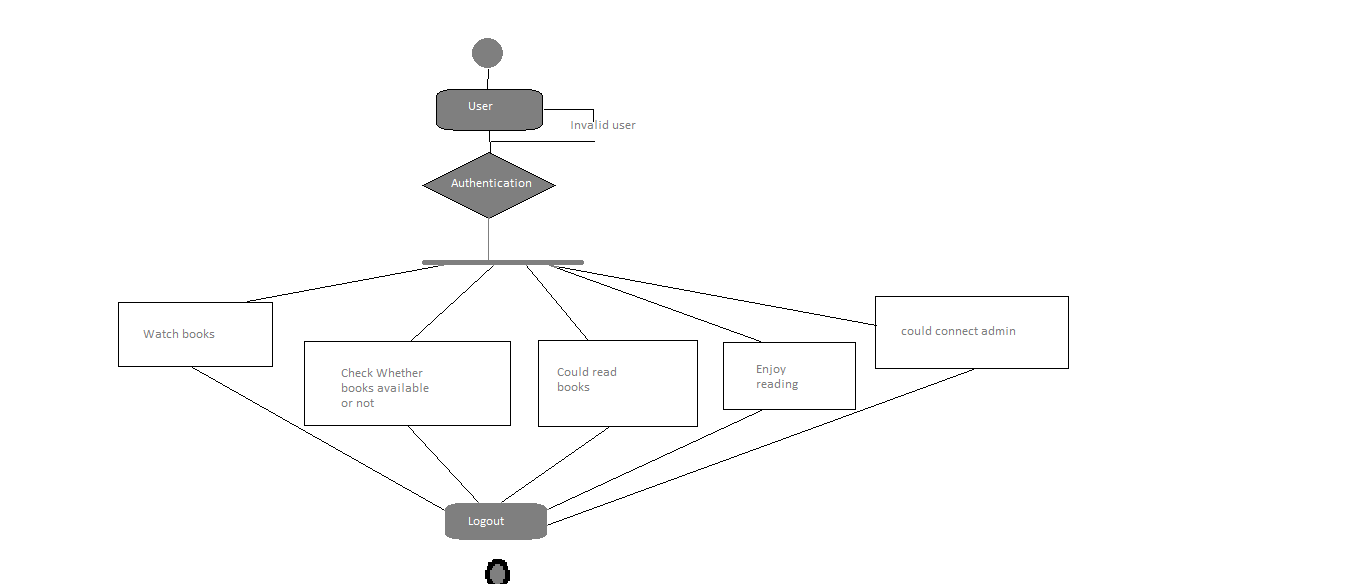
Book\_Namevarchar(50)

Author\_Name varchar(50)

**Activity Diagram (Admin)**



**Activity Diagram(User)**



**Schema**

Admin

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Admin ID | User Name | Email | Password |

User

|  |  |
| --- | --- |
| Email | Password |

Book detail

|  |  |  |
| --- | --- | --- |
| Book ID | Book Name | Author Name |

**Assumption and Dependencies:**

* The end user should have a basic knowledge of Englishand computer usage.
* Administrator is created in the system already.

**Specific Requirement**

**Use case Report:**

The system have following user.

* Users
* Administrator

User:

Sign up – User can fill all the fields of form.

Sign in-After getting the username and password,endUser can log on to their account and can access the Website.

Administrator:

Verify details -Admin authenticates all the end users by checking their username and password he also cancheck admin username and password.

Fake User- He can check who did try to login.

View cart- He can view the cart details.

Update products - He can add and delete projects.

User Delete -He can delete any users who are inDatabase.

Access - He can access in Shopping site.

**Supplementary Requirements**

* Process, so it can stay open for 24 hours a day. SoUPS support must be on server site for at least 8hours in case of power failure. System will remainaccessible to users at 2:00 am to 4:00 am forbackup and maintenancepurpose.
* Dynamic Website-implementations consisted of static HTML pages.This becomes very difficult to manage if theNumber of pages gets too large. An effectiveSystem should be largely dynamic takingAdvantage of technology that automates thisprocess rather than relying on manual processes.Application should serve dynamic user basedcustomized web pages to its clients from server.
* Integration with 24x 7 Availability - If the base isnow the entire world, staying open 24 hours a daybecomes critical. Because system can be an

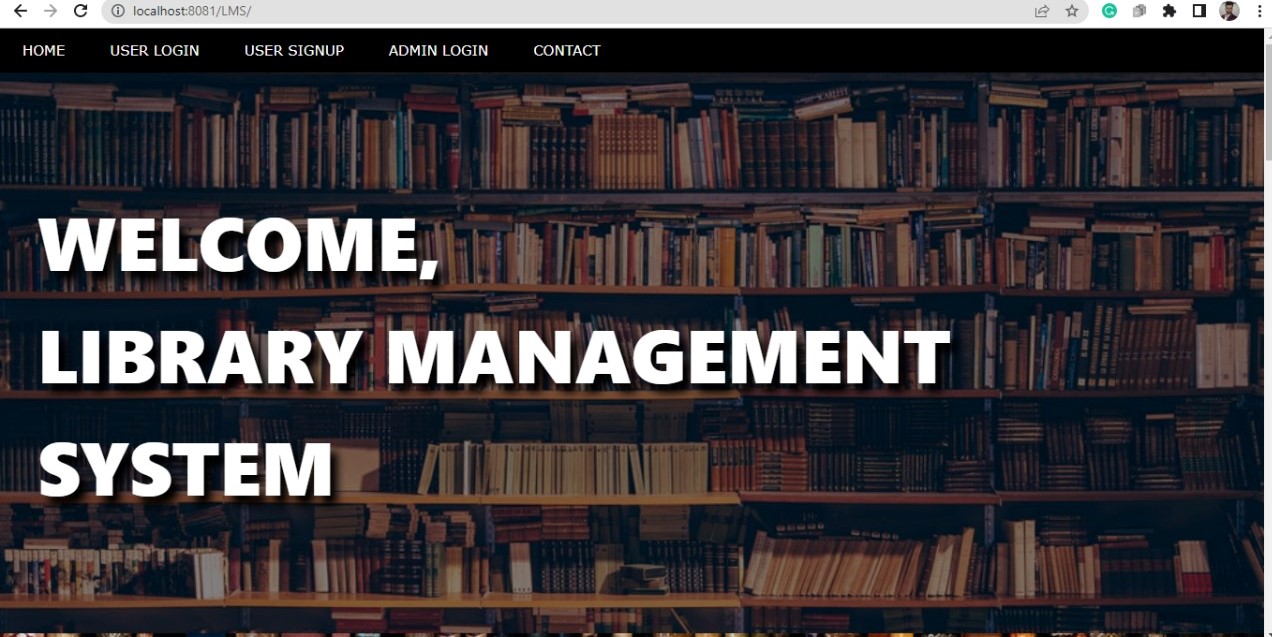
automated existing enterprise systems Anyexisting Web site that relies on the manualduplication of data from another system is onethat can be improved. Most of the business data in the world today exists in enterprise serversthat can be connected to the Web servers to makethis process far more effective.

* Provide good performance and the ability to scalethe server - The Web application Server shouldprovide good performance and the ability tomanage performance with techniques, such assupport for caching, clustering, and loadbalancing.

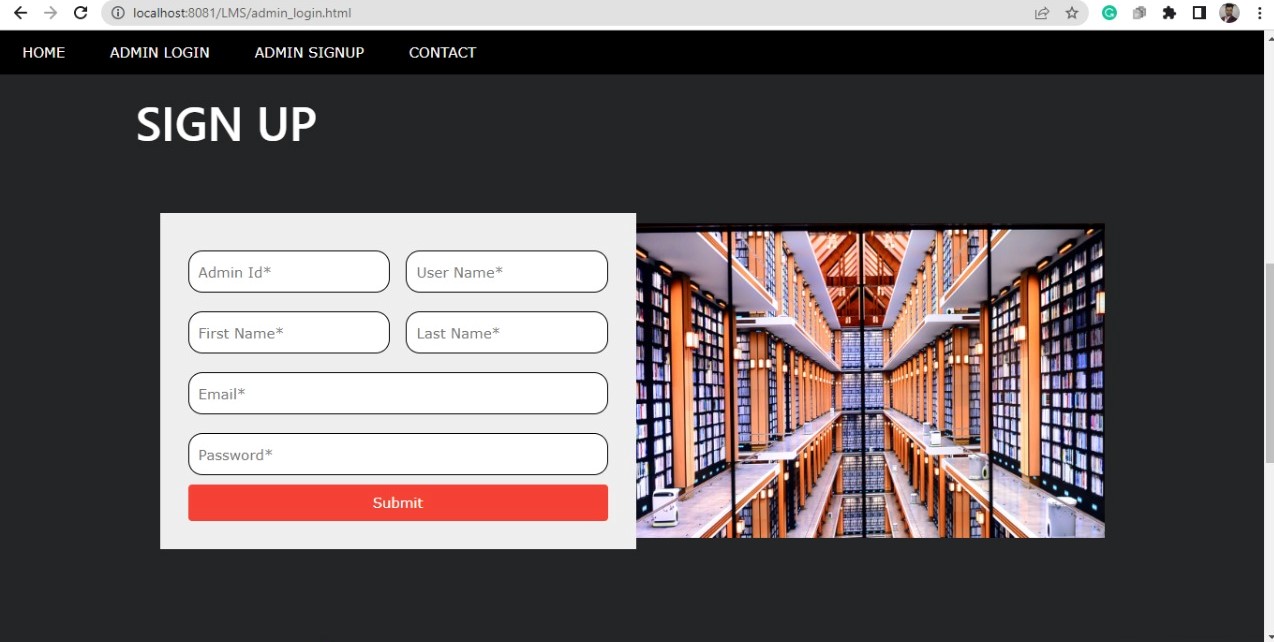
**Providing session management capability - Web applicationdevelopers should not spend valuable time worrying abouthow to maintain sessions within the application. The WebApplication Server should provide these services.**

**PROJECT SCREENSHOTS**

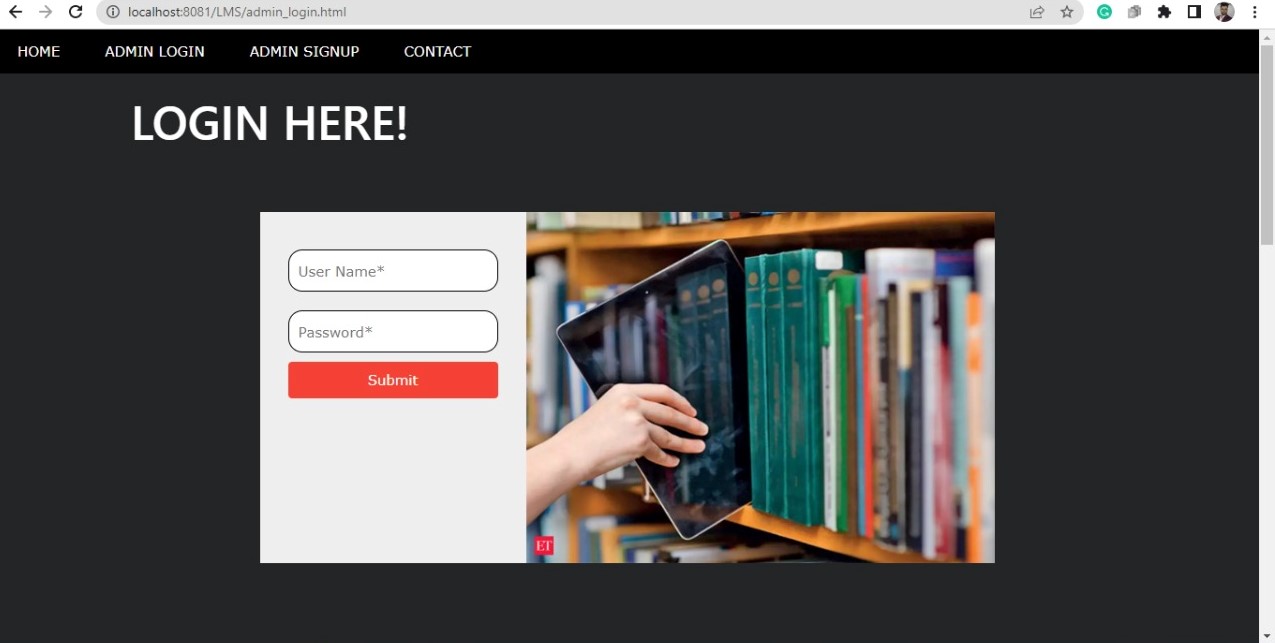
**Home Page**



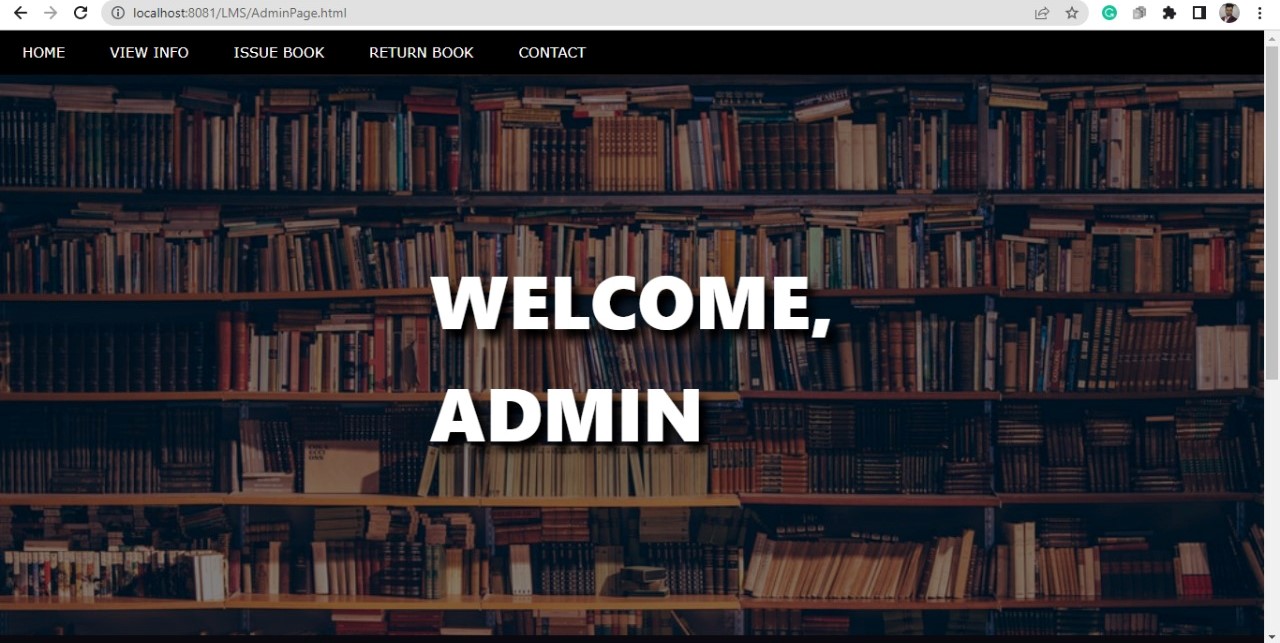
**Admin Signup**

****

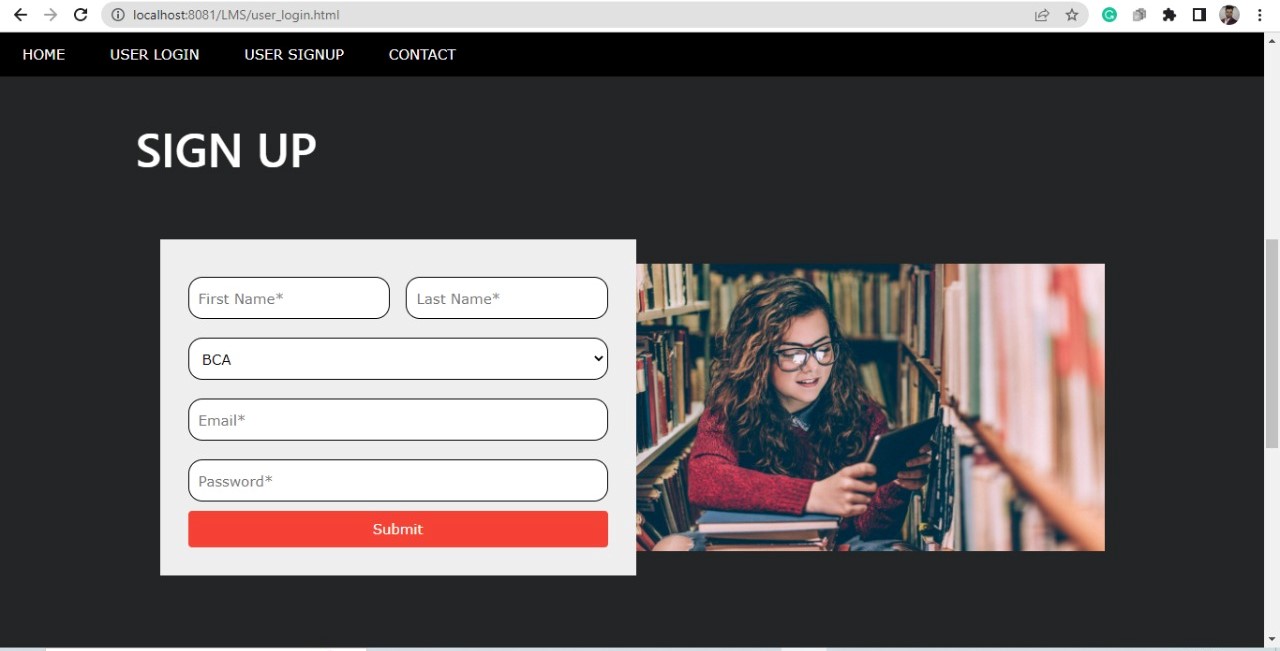
**Admin Login**

****

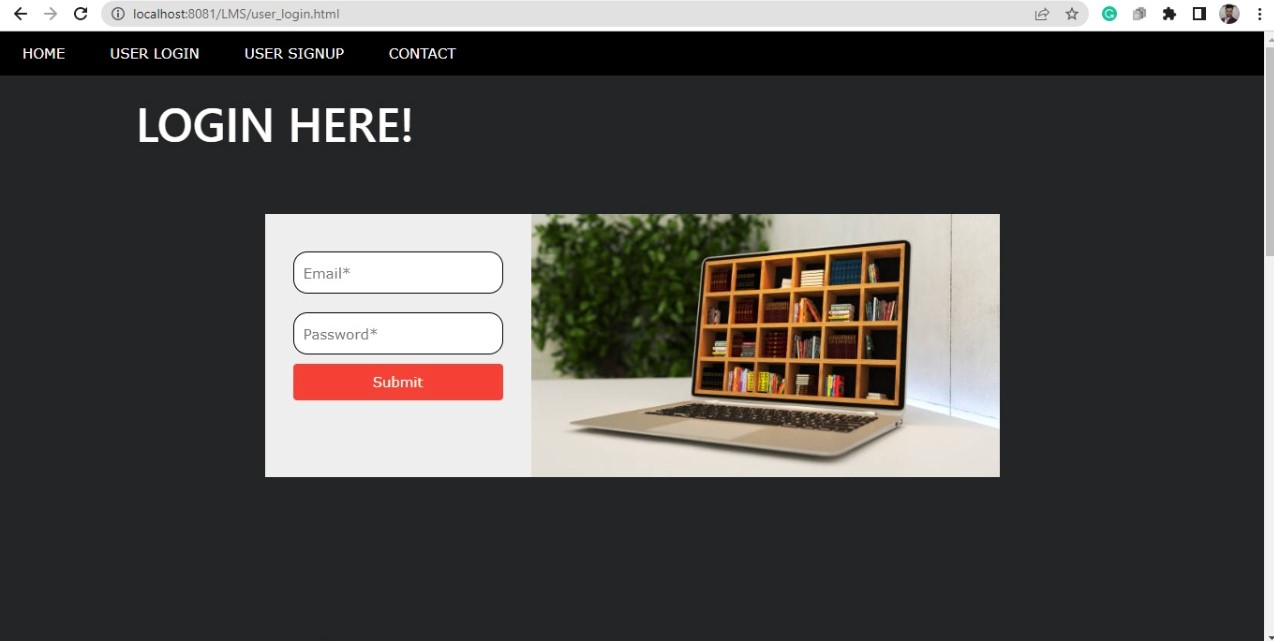
**Welcome Admin**

****

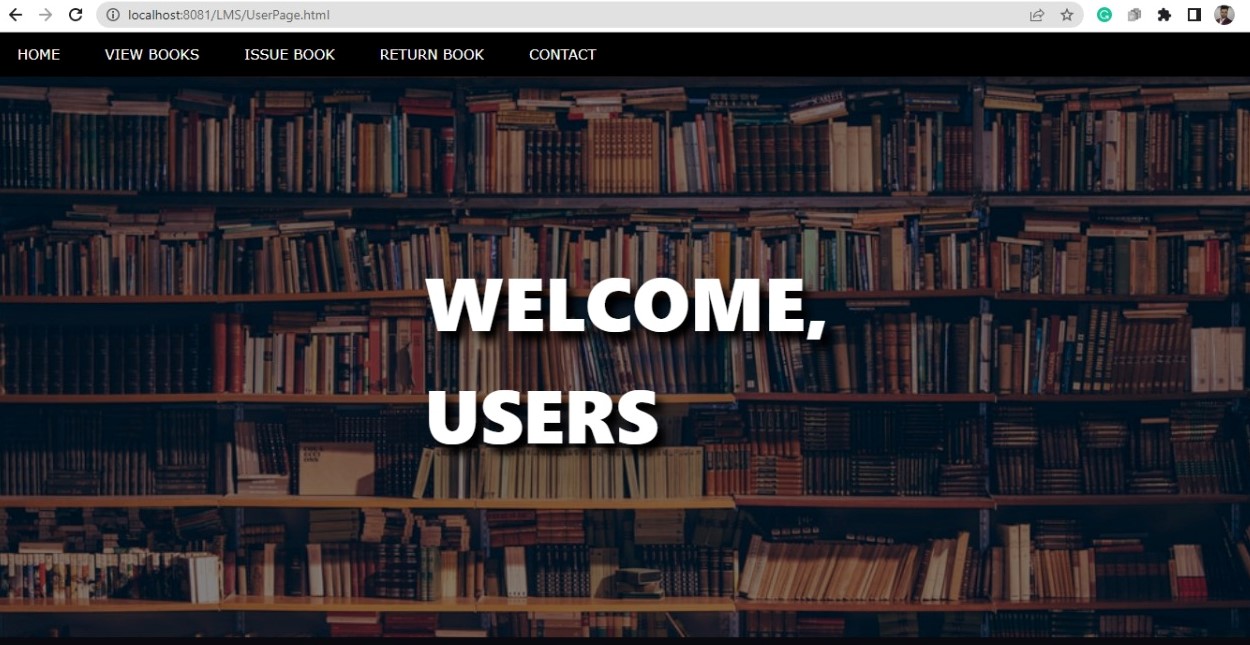
**User Signup**

****

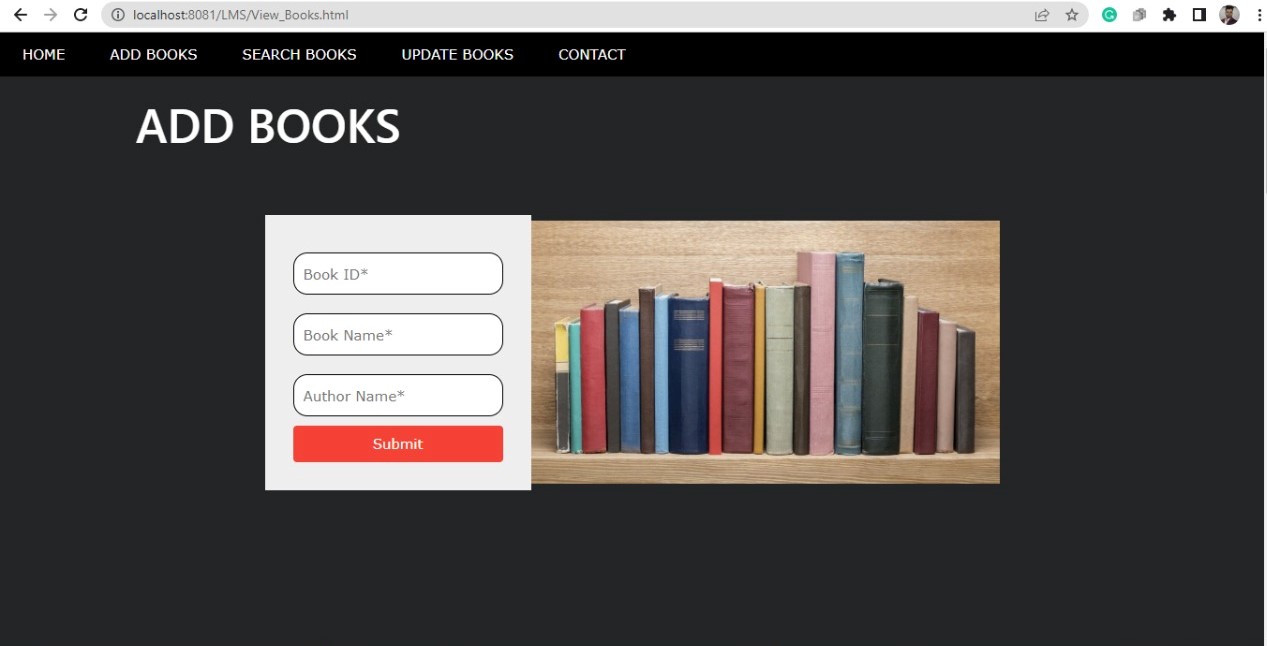
**User Login**

****

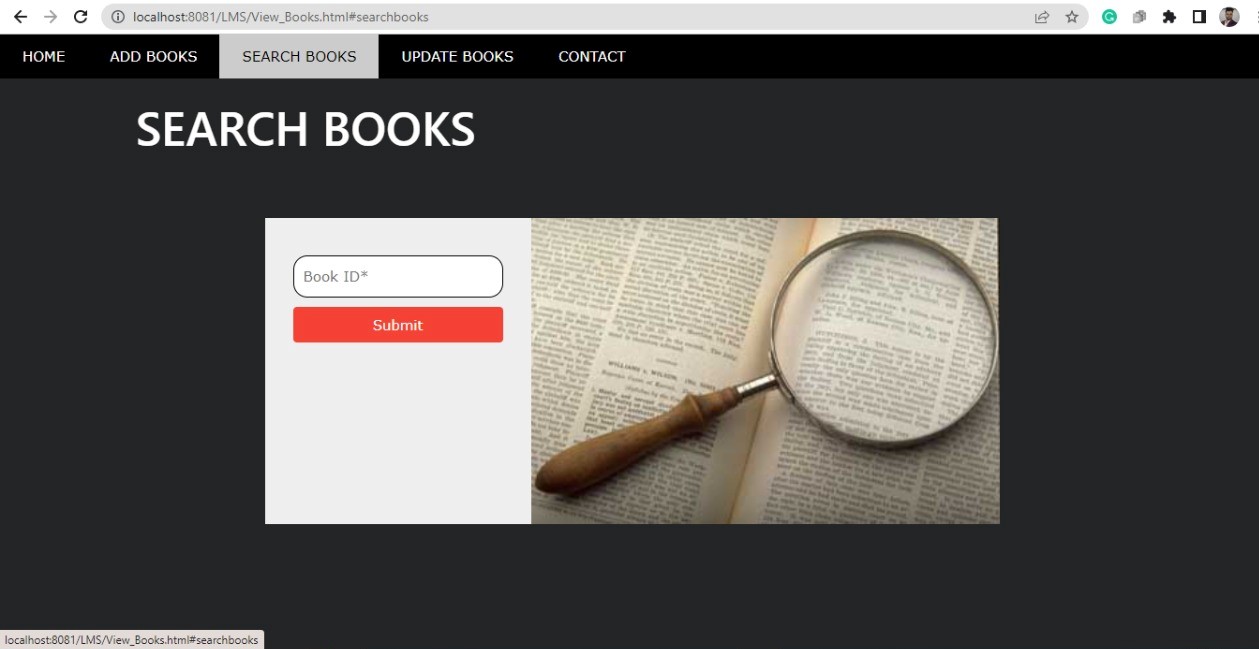
**Welcome User**

****

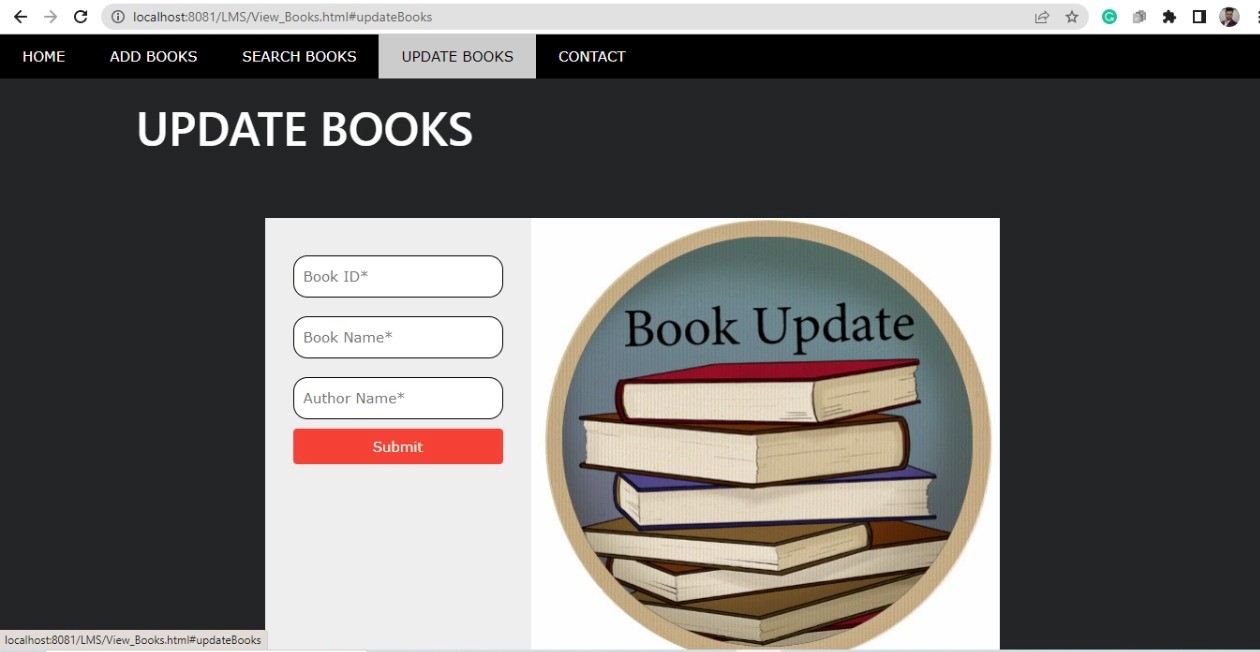
**Add Book**

****

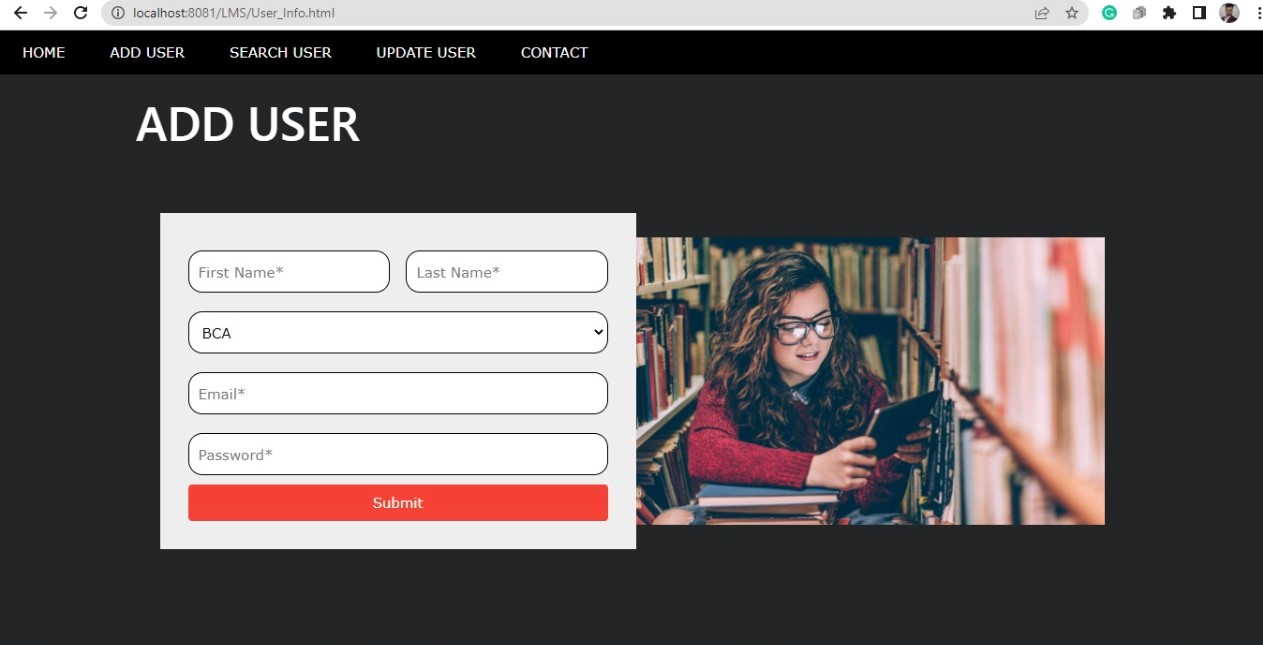
**Search Book**

****

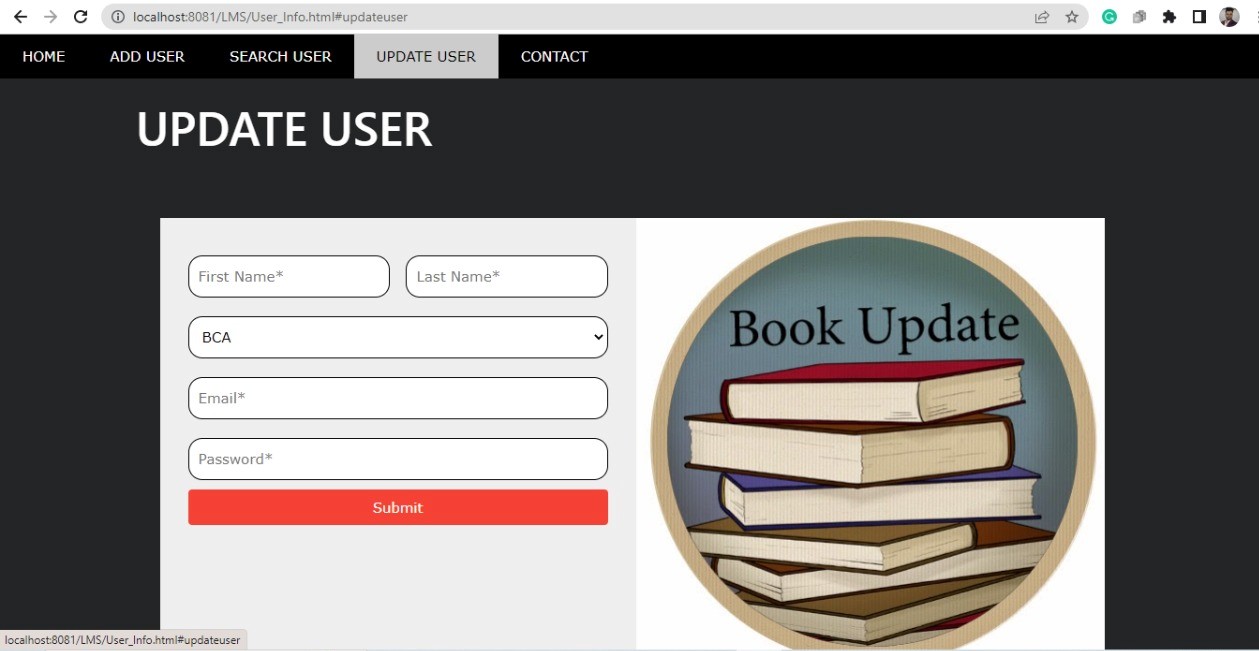
**Update Book**

****

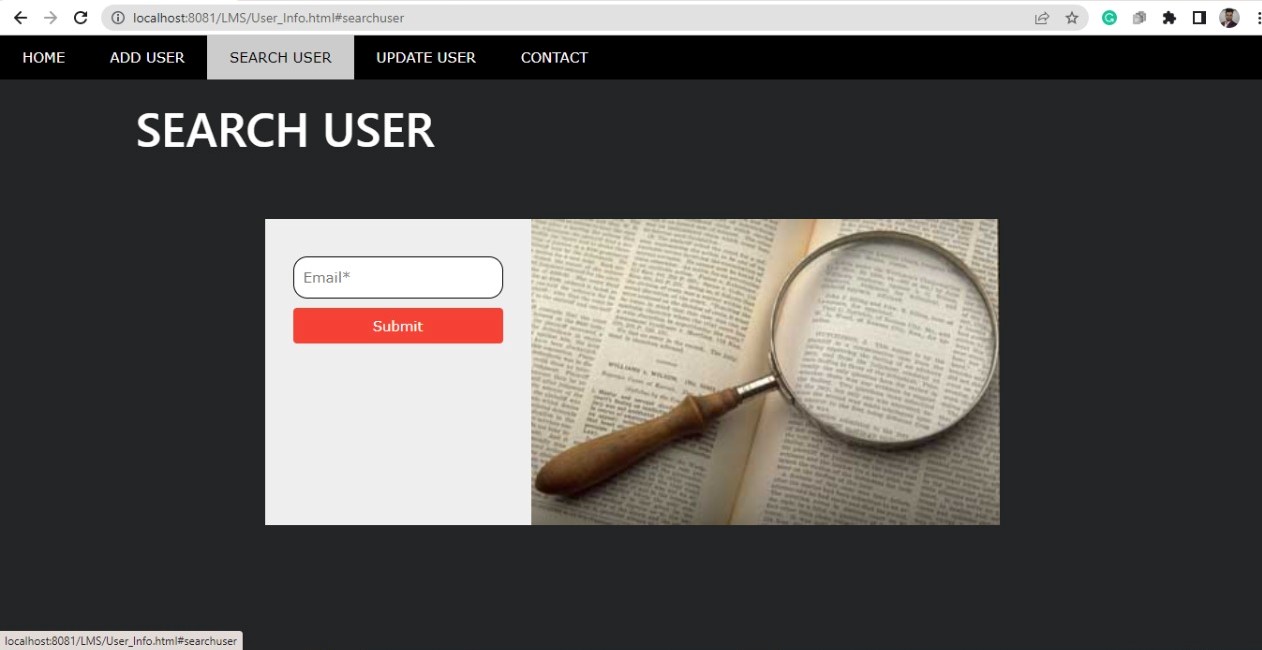
**Add User**

****

**Update User**

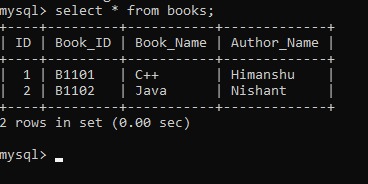
****

**Search User**

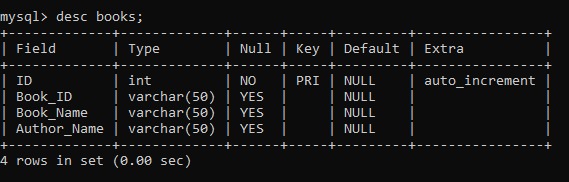
****

**Database(MySql) Screenshots:**

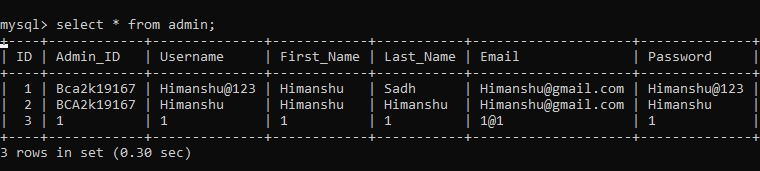
**Select \* from Books:**

****

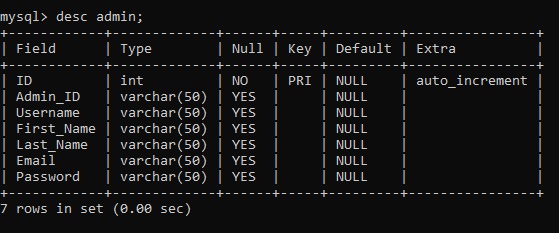
**Desc Books;**

****

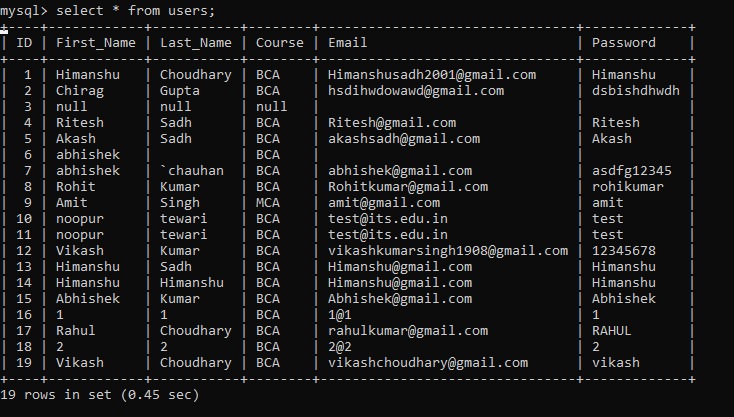
**Select \* from admin;**

****

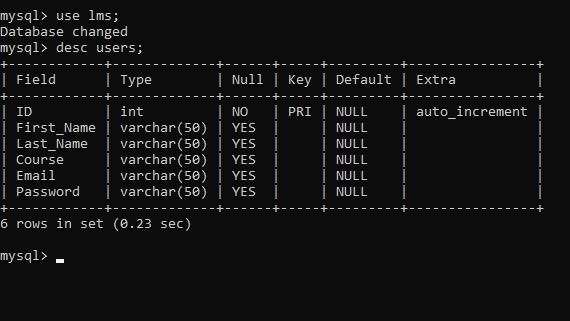
**Desc Admin;**

****

**Select \* from Users;**

****

**Desc Users;**

****

**Coding**

**Adminsignup.java**

**import java.io.IOException;**

**import java.io.PrintWriter;**

**import java.net.CacheResponse;**

**import javax.servlet.ServletException;**

**import javax.servlet.annotation.WebServlet;**

**import javax.servlet.http.HttpServlet;**

**import javax.servlet.http.HttpServletRequest;**

**import javax.servlet.http.HttpServletResponse;**

**import java.sql.\*;**

**@WebServlet("/adminsignupjava")**

**public class adminsignup extends HttpServlet {**

**protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {**

**String admin\_id=request.getParameter("admin\_id");**

**String username=request.getParameter("username");**

**String first\_name=request.getParameter("first\_name");**

**String last\_name=request.getParameter("last\_name");**

**String email=request.getParameter("email");**

**String password=request.getParameter("password");**

**PrintWriter out = response.getWriter();**

**try**

**{**

**Class.forName("com.mysql.jdbc.Driver");**

**Connection conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/lms","root","Abhishek Chauhan");**

**Statement st=conn.createStatement();**

**st.execute("insert into admin(Admin\_ID,Username,First\_Name,Last\_Name,Email,Password)values('"+admin\_id+"','"+username+"','"+first\_name+"','"+last\_name+"','"+email+"','"+password+"')");**

**out.println("WELCOME TO LIBRARY MANAGMENT SYSTEM");**

**}**

**catch(Exception e)**

**{**

**out.print(e);**

**}**

**}**

**}**

**Login.java**

**import java.io.IOException;**

**import java.io.PrintWriter;**

**import java.sql.Connection;**

**import java.sql.DriverManager;**

**import java.sql.ResultSet;**

**import java.sql.Statement;**

**import javax.servlet.RequestDispatcher;**

**import javax.servlet.ServletContext;**

**import javax.servlet.ServletException;**

**import javax.servlet.http.HttpServlet;**

**import javax.servlet.http.HttpServletRequest;**

**import javax.servlet.http.HttpServletResponse;**

**import javax.servlet.http.HttpSession;**

**/\***

**\* Created on May 11, 2004**

**\***

**\* TODO To change the template for this generated file go to**

**\* Window - Preferences - Java - Code Style - Code Templates**

**\*/**

**/\*\***

**\* @author Administrator**

**\***

**\* TODO To change the template for this generated type comment go to**

**\* Window - Preferences - Java - Code Style - Code Templates**

**\*/**

**public class Login extends HttpServlet {**

**/\*\***

**\***

**\*/**

**private static final long serialVersionUID = 1L;**

**String driver;**

**String url;**

**String dname;**

**String dpass;**

**Connection con;**

**String role="Login.jsp";**

**/\*\***

**\* The doPost method of the servlet. <br>**

**\***

**\* This method is called when a form has its tag value method equals to post.**

**\***

**\* @param request the request send by the client to the server**

**\* @param response the response send by the server to the client**

**\* @throws ServletException if an error occurred**

**\* @throws IOException if an error occurred**

**\*/**

**public void doPost(HttpServletRequest request, HttpServletResponse response)**

**throws ServletException, IOException {**

**ServletContext ctx=getServletContext();**

**driver=ctx.getInitParameter("driver");**

**url=ctx.getInitParameter("url");**

**dname=ctx.getInitParameter("dname");**

**dpass=ctx.getInitParameter("dpass");**

**HttpSession session=request.getSession();**

**try**

**{**

**Class.forName(driver);**

**con=DriverManager.getConnection(url,dname,dpass);**

**response.setContentType("text/html");**

**PrintWriter out = response.getWriter();**

**String userid=request.getParameter("login");**

**String pwd=request.getParameter("password");**

**Statement st=con.createStatement();**

**ResultSet rs=st.executeQuery("select role from lms\_login where user\_id='"+userid+"' and password='"+pwd+"'");**

**if(rs.next())**

**{**

**role=rs.getString("role");**

**if(role.equals("admin"))**

**role="AdminHome.jsp";**

**if(role.equals("student"))**

**{**

**System.out.println("Select return\_date-2,sysdate,book\_id from lms\_books\_issue where stu\_id='"+userid+"'");**

**rs=st.executeQuery("Select return\_date-2,sysdate,book\_id from lms\_books\_issue where stu\_id='"+userid+"'");**

**String bookid="";**

**while(rs.next())**

**{**

**if(rs.getDate(1).equals(rs.getDate(2)))**

**{**

**bookid=rs.getString(3);**

**System.out.println("bookid"+bookid);**

**st.executeUpdate("insert into lms\_mails values(msg\_seg.nextval,'"+userid+"','Return date of bookid-"+bookid+" will be expire with in to days.')");**

**}**

**}**

**role="StudentHome.jsp";**

**}**

**if(role.equals("user"))**

**role="UserHome.jsp";**

**}**

**else**

**role="Login.jsp?status=Invalid Username and password";**

**session.setAttribute("userid",userid);**

**System.out.println("(String)session.getAttribute(userid)"+(String)session.getAttribute("userid"));**

**}**

**catch(Exception e)**

**{**

**e.printStackTrace();**

**role="Login.jsp";**

**}**

**response.sendRedirect(role);**

**}**

**}**

**Adminlogin.java**

**import java.io.IOException;**

**import java.io.PrintWriter;**

**import java.sql.Connection;**

**import java.sql.DriverManager;**

**import java.sql.ResultSet;**

**import java.sql.Statement;**

**import javax.servlet.ServletException;**

**import javax.servlet.annotation.WebServlet;**

**import javax.servlet.http.HttpServlet;**

**import javax.servlet.http.HttpServletRequest;**

**import javax.servlet.http.HttpServletResponse;**

**@WebServlet("/adminloginjava")**

**public class adminlogin extends HttpServlet {**

**protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {**

**String username=request.getParameter("username");**

**String password=request.getParameter("password");**

**PrintWriter out = response.getWriter();**

**try**

**{**

**Class.forName("com.mysql.jdbc.Driver");**

**Connection conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/lms","root","Abhishek Chauhan");**

**Statement st=conn.createStatement();**

**ResultSet rs=st.executeQuery("select Password from admin Where username='"+username+"';");**

**if(rs.next()) {**

**String e=rs.getString(1);**

**if(password.equals(e)){**

**response.sendRedirect("AdminPage.html");**

**}**

**else {**

**out.print("password galat");**

**}**

**}**

**else {**

**out.print("username galat");**

**}**

**}**

**catch(Exception e){**

**out.print(e);**

**}**

**}**

**}**

**UserLogin.java**

**import java.io.IOException;**

**import java.io.PrintWriter;**

**import java.sql.\*;**

**import javax.servlet.ServletException;**

**import javax.servlet.annotation.WebServlet;**

**import javax.servlet.http.HttpServlet;**

**import javax.servlet.http.HttpServletRequest;**

**import javax.servlet.http.HttpServletResponse;**

**@WebServlet("/userloginjava")**

**public class userlogin extends HttpServlet {**

**protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {**

**String email=request.getParameter("email");**

**String password=request.getParameter("password");**

**PrintWriter out = response.getWriter();**

**try**

**{**

**Class.forName("com.mysql.jdbc.Driver");**

**Connection conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/lms","root","Abhishek Chauhan");**

**Statement st=conn.createStatement();**

**ResultSet rs=st.executeQuery("select Password from users Where email='"+email+"';");**

**if(rs.next()) {**

**String e=rs.getString(1);**

**if(password.equals(e)){**

**response.sendRedirect("UserPage.html");**

**}**

**else {**

**out.print("password galat");**

**}**

**}**

**else {**

**out.print("email galat");**

**}**

**}**

**catch(Exception e){**

**out.print(e);**

**}**

**}**

**}**

**Usersignup.java**

**import java.io.IOException;**

**import java.io.PrintWriter;**

**import javax.servlet.ServletException;**

**import javax.servlet.annotation.WebServlet;**

**import javax.servlet.http.HttpServlet;**

**import javax.servlet.http.HttpServletRequest;**

**import javax.servlet.http.HttpServletResponse;**

**import java.sql.\*;**

**@WebServlet("/usersignupjava")**

**public class usersignup extends HttpServlet {**

**protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {**

**String first\_name=request.getParameter("first\_name");**

**String last\_name=request.getParameter("last\_name");**

**String course=request.getParameter("course");**

**String email=request.getParameter("email");**

**String password=request.getParameter("password");**

**PrintWriter out = response.getWriter();**

**try**

**{**

**Class.forName("com.mysql.jdbc.Driver");**

**Connection conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/lms","root","Abhishek Chauhan");**

**Statement st=conn.createStatement();**

**st.execute("insert into users(First\_Name,Last\_Name,Course,Email,Password)values('"+first\_name+"','"+last\_name+"','"+course+"','"+email+"','"+password+"')");**

**out.println("WELCOME TO LIBRARY MANAGMENT SYSTEM");**

**response.sendRedirect("user\_login.html");**

**}**

**catch(Exception e)**

**{**

**out.print(e);**

**}**

**}**

**}**

**Addbooks.java**

**import java.io.IOException;**

**import java.io.PrintWriter;**

**import javax.servlet.ServletException;**

**import javax.servlet.annotation.WebServlet;**

**import javax.servlet.http.HttpServlet;**

**import javax.servlet.http.HttpServletRequest;**

**import javax.servlet.http.HttpServletResponse;**

**import java.sql.\*;**

**@WebServlet("/addbooksjava")**

**public class addbooks extends HttpServlet {**

**protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {**

**String book\_id=request.getParameter("book\_id");**

**String book\_name=request.getParameter("book\_name");**

**String author\_name=request.getParameter("author\_name");**

**PrintWriter out = response.getWriter();**

**try**

**{**

**Class.forName("com.mysql.jdbc.Driver");**

**Connection conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/lms","root","Abhishek Chauhan");**

**Statement st=conn.createStatement();**

**st.execute("insert into books(Book\_ID,Book\_Name,Author\_Name)values('"+book\_id+"','"+book\_name+"','"+author\_name+"')");**

**out.println("Your data is added");**

**response.sendRedirect("View\_Books.html");**

**}**

**catch(Exception e)**

**{**

**out.print(e);**

**}**

**}**

**}**

**Searchbook.java**

**import java.io.IOException;**

**import java.io.PrintWriter;**

**import java.sql.\*;**

**import javax.servlet.ServletException;**

**import javax.servlet.annotation.WebServlet;**

**import javax.servlet.http.HttpServlet;**

**import javax.servlet.http.HttpServletRequest;**

**import javax.servlet.http.HttpServletResponse;**

**@WebServlet("/searchbookjava")**

**public class Searchbook extends HttpServlet {**

**protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {**

**String book\_id=request.getParameter("book\_id");**

**PrintWriter out = response.getWriter();**

**try**

**{**

**Class.forName("com.mysql.jdbc.Driver");**

**Connection conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/lms","root","Abhishek Chauhan");**

**Statement st=conn.createStatement();**

**ResultSet rs=st.executeQuery("select \* from books where Book\_ID='"+book\_id+"';");**

**if(!rs.next()){**

**out.print("<br><br><form action=\"back\"><input type=\"submit\" value=\"Back to Homepage\"></form>");**

**}**

**else{**

**String book\_name = rs.getString("book\_name");**

**String author\_name = rs.getString("author\_name");**

**out.print( "\n ID: " + book\_id);**

**out.print("\n Book Name: " +book\_name);**

**out.print("\n Author Name: " +author\_name);**

**}**

**rs.close();**

**conn.close();**

**}**

**catch(Exception e){**

**out.print(e);**

**}**

**}**

**}**

**Updatebooks.java**

**import java.io.IOException;**

**import java.io.PrintWriter;**

**import javax.servlet.ServletException;**

**import javax.servlet.annotation.WebServlet;**

**import javax.servlet.http.HttpServlet;**

**import javax.servlet.http.HttpServletRequest;**

**import javax.servlet.http.HttpServletResponse;**

**import java.sql.\*;**

**@WebServlet("/updatebookjava")**

**public class updatebook extends HttpServlet {**

**protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {**

**String book\_id=request.getParameter("book\_id");**

**String book\_name=request.getParameter("book\_name");**

**String author\_name=request.getParameter("author\_name");**

**PrintWriter out = response.getWriter();**

**try**

**{**

**Class.forName("com.mysql.jdbc.Driver");**

**Connection conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/lms","root","Abhishek Chauhan");**

**Statement st=conn.createStatement();**

**st.execute("update books set Book\_Name = '"+book\_name+"' , Author\_Name = '"+author\_name+"' where Book\_ID = '"+book\_id+"';");**

**out.println("Your data is Update");**

**response.sendRedirect("View\_Books.html");**

**}**

**catch(Exception e)**

**{**

**out.print(e);**

**}**

**}**

**}**

**Deletebooks.java**

**import java.io.IOException;**

**import java.io.PrintWriter;**

**import java.sql.\*;**

**import javax.servlet.ServletException;**

**import javax.servlet.annotation.WebServlet;**

**import javax.servlet.http.HttpServlet;**

**import javax.servlet.http.HttpServletRequest;**

**import javax.servlet.http.HttpServletResponse;**

**@WebServlet("/deleteuserjava")**

**public class deleteuser extends HttpServlet {**

**protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {**

**String email=request.getParameter("email");**

**PrintWriter out = response.getWriter();**

**try**

**{**

**Class.forName("com.mysql.jdbc.Driver");**

**Connection conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/lms","root","Abhishek Chauhan");**

**Statement st=conn.createStatement();**

**ResultSet rs=st.executeQuery("delete from users where Email='"+email+"';");**

**response.sendRedirect("User\_Info.html");**

**rs.close();**

**conn.close();**

**}**

**catch(Exception e){**

**out.print(e);**

**}**

**}**

**}**

**Conclusion**

The purpose this code is to have code that is structured and organized. For the most part, you’ll find yourself in situations where you’ll be reusing the code.

For Example, let’s say you had a database class. A lot of people connect to databases. Some people may be looking for code that can help them connect to a database easier and run certain functions.

**Assumptions:**

* The user is familiar with basic computer components and operations.
* Roles and tasks are predefined.

**Dependencies:**

* The system should work on all systems.

**Future Scope of the Project**

The Online Library System is the next generation platform for travelling that will provide these basic services like planning, security and easier accessibility.

The future scope includes expand the technologies like HTML and JSP. We can also add new technologies like HTML, CSS, JSP and many more for improving the efficiency of the software.

The project will be useful for any reader with slightly modifications. Project is flexible i.e., any change or modification in database may perform easily.

**Reference**

* YouTube
* www.W3Schools.com
* MySQL Database Book
* GitHub
* www.javaPoint.com