

EP-PROJECT

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PROJECT BASED REPORT

ON

LIBRARY MANAGEMENT SYSTEM

SUBMITTED BY

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UNDER THE GUIDANCE OF

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CERTIFICATE

This is to certify that the project based laboratory report entitled **“LIBRARY MANAGEMENT SYSTEM”** submitted by **Mr.P.Adithya Vardhan** bearing Regd. No. **180030349** to the **Department of computer Engineering Sciences, KL University** in partial fulfillment of the requirements for the completion of a project based Laboratory in **“Enterprise Programming ”** course in **II B Tech II Semester**, is a bonafide record of the work carried out by him under my supervision during the academic year 2019 – 2020.

ACKNOWLEDGEMENTS

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I express the sincere gratitude to our principal **Prof** for his administration towards our academic growth.

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I express my sincere thanks to our project supervisor **N. Rajesh Sir** for his novel association of ideas, encouragement, appreciation and intellectual zeal which motivated us to venture this project successfully.

Finally, it is pleased to acknowledge the indebtedness to all those who devoted themselves directly or indirectly to make this project report success.

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ABSTRACT

The Library Management System provides real time information about the books available in the Library and the user information.

The main purpose of this project is to reduce the manual work.

The project is specifically designed for the use of librarians and library users.

The product will work as a complete user interface for library management process and library usage from ordinary users.

In the proposed system, we assume that each student will be having a student id which can be used for the library book issue, fine payment etc.

whenever library student wish to take a book, the book issued by the library authority will be check both the book details as well as the user details and store it in library database.

The administrator can control students and manage books.

The student's status of issue/return is maintained in the library database.

The student's details can be fetched by the Admin from the database as and when required.

The valid students are also allowed to view their account information

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INTRODUCTION

The project titled Library Management System is Library management software for monitoring and controlling the transactions in a library. The project “Library Management System” is developed in java, which mainly focuses on basic operations in a library like adding new member, new books, and updating new information, searching books and members and facility to borrow and return books. “Library Management System” is a windows application written for 32-bit Windows operating systems, designed to help users maintain and organize library. Our software is easy to use for both beginners and advanced users. It features a familiar and well thought-out, an attractive user interface, combined with strong searching Insertion and reporting capabilities. The report generation facility of library system helps to get a good idea of which are the books borrowed by the members, makes users possible to generate reports’ hard copy.

The software Library Management System has four main modules.

- Insertion to Database Module – User friendly input screen
- Extracting from Database module – Attractive Output Screen
- Report Generation module – borrowed book list & Available book list
- Search Facility system – search for books and members

PROPOSED SYSTEM

Proposed system is an automated Library Management System. Through our software user can add members, add books, search members, search books, update information, edit information, borrow and return books in quick time.

Our proposed system has the following advantages.

- User friendly interface
- Fast access to database
- Less error
- More Storage Capacity
- Search facility
- Look and Feel Environment
- Quick transaction

All the manual difficulties in managing the Library have been rectified by implementing computerization.

SYSTEM REQUIREMENTS

➤ SOFTWARE REQUIREMENTS:

The major software requirements of the project are as follows:

Language : JAVA

Operating system : Windows Xp or later.

➤ HARDWARE REQUIREMENTS:

The hardware requirements that map towards the software are as follows: RAM :8gb

Processor :i5

DESCRIPTION

Front End

HTML

Hypertext Markup Language (HTML) is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript.

Web browsers receive HTML documents from a web server or from local storage and render the documents into multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document.

HTML elements are the building blocks of HTML pages. With HTML constructs, images and other objects such as interactive forms may be embedded into the rendered page. HTML provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes and other items. HTML elements are delineated by tags, written using angle brackets. Tags such as `` and `<input />` directly introduce content into the page. Other tags such as `<p>` surround and provide information about document text and may include other tags as sub-elements. Browsers do not display the HTML tags, but use them to interpret the content of the page. HTML can embed programs written in a scripting language such as JavaScript, which affects the behavior and content of web pages. Inclusion of CSS defines the look and layout of content. The World Wide Web Consortium (W3C), former maintainer of the HTML and current maintainer of the CSS standards, has encouraged the use of CSS over explicit presentational HTML since 1997.

MIDDLEWARE

JSP

JSP technology is used to create web application just like Servlet technology. It can be thought of as an extension to Servlet because it provides more functionality than servlet such as expression language, JSTL, etc.

A JSP page consists of HTML tags and JSP tags. The JSP pages are easier to maintain than Servlet because we can separate designing and development. It provides some additional features such as Expression Language, Custom Tags, etc.

Advantages of JSP over Servlet

There are many advantages of JSP over the Servlet. They are as follows:

1) Extension to Servlet

JSP technology is the extension to Servlet technology. We can use all the features of the Servlet in JSP. In addition to, we can use implicit objects, predefined tags, expression language and Custom tags in JSP, that makes JSP development easy.

2) Easy to maintain

JSP can be easily managed because we can easily separate our business logic with presentation logic. In Servlet technology, we mix our business logic with the presentation logic.

3) Fast Development

No need to recompile and redeploy. If JSP page is modified, we don't need to recompile and redeploy the project. The Servlet code needs to be updated and recompiled if we have to change the look and feel of the application.

BACKEND

Oracle database (Oracle DB) is a relational database management system (RDBMS) from the Oracle Corporation. Originally developed in 1977 by Lawrence Ellison and other developers, Oracle DB is one of the most trusted and widely-used relational database engines

The system is built around a relational database framework in which data objects may be directly accessed by users (or an application front end) through structured query language (SQL). Oracle is a fully scalable relational database architecture and is often used by global enterprises, which manage and process data across wide and local area networks. The Oracle database has its own network component to allow communications across networks.

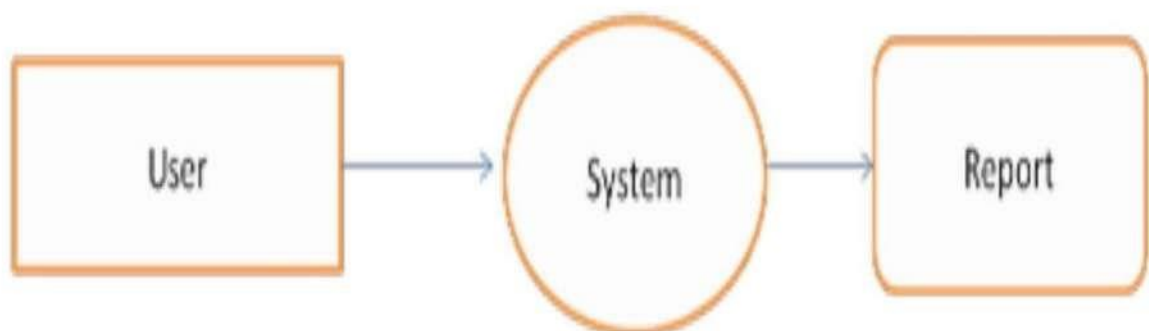
Oracle DB is also known as Oracle RDBMS and, sometimes, just Oracle.

IDE :-

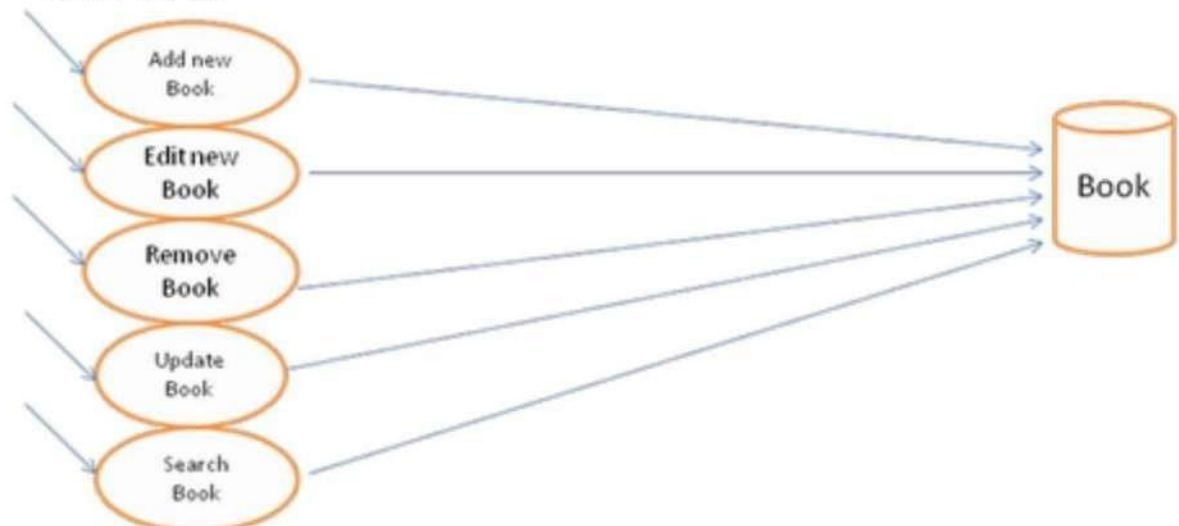
Eclipse is an integrated development environment (IDE) used in computer programming.[6] It contains a base workspace and an extensible plug-in system for customizing the environment. Eclipse is written mostly in Java and its primary use is for developing Java applications, but it may also be used to develop applications in other programming languages via plug-ins, including Ada, ABAP, C, C++, C#, Clojure, COBOL, D, Erlang, Fortran, Groovy, Haskell, JavaScript, Julia,[7] Lasso, Lua, NATURAL, Perl, PHP, Prolog, Python, R, Ruby (including Ruby on Rails framework), Rust, Scala, and Scheme. It can also be used to develop documents with LaTeX (via a TeXlipse plug-in) and packages for the software Mathematica. Development environments include the Eclipse Java development tools (JDT) for Java and Scala, Eclipse CDT for C/C++, and Eclipse PDT for PHP, among others.

DFD

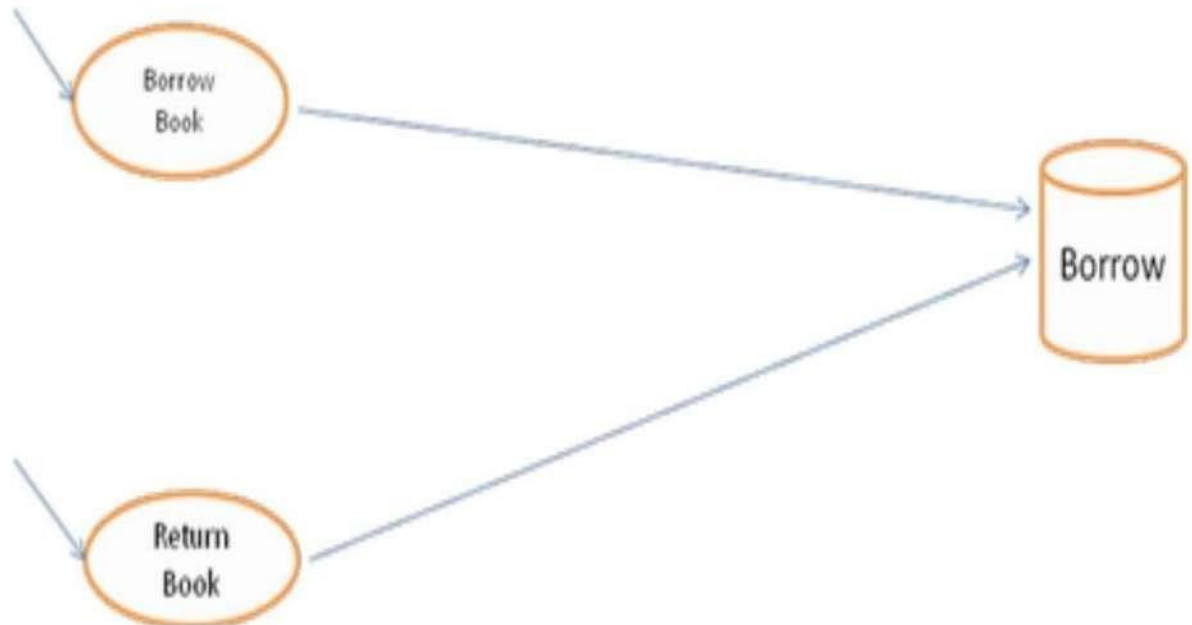
Context Diagram



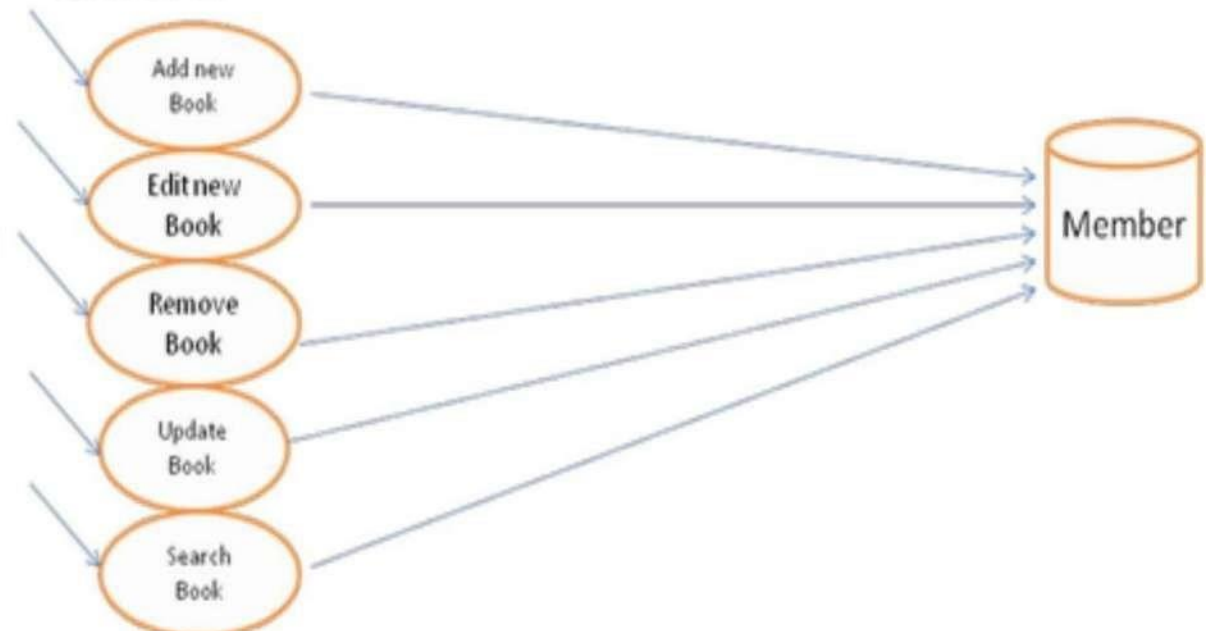
- Level 1



- Level 1



- Level 1



IMPLEMENTATION

PROJECT.html :-

```
<!DOCTYPE html>
<html>
<head>
<title>MAIN PAGE</title>
<center><h1 style="background-color:skyblue">LIBRARY MANAGEMENT
SYSTEM</h1></center>
<body style="background-color:yellow">
<br><br><br><br><br><br><center><h1 style="color:red">WELCOME TO E-
LIBRARY</h1></center>
<style>
body {
  background-image: url("book.jpg");
  background-repeat: no-repeat;
  background-attachment: fixed;
  background-size: cover;
}
</style>
<br>
<br>
<br>
<marquee></marquee>
<br>
<br>
<center><a href="login.html"><button style="color:green">CLICK HERE TO
CONTINUE</button></a></center>
<br>
<br>
<br>
<br>
<br>
<br>
<br>
<br>
<br>
<center><footer style="color:yellow">
@ Copyrights reserved to group 24
</footer></center>
</body>
</html>
```

LOGIN.html :-

```
<!DOCTYPE html>
<html>
<head>
<title>LOGIN</title>
<center><h1 style="background-color:skyblue">LOGIN TO YOUR
ACCOUNTS</h1></center>
<body style="background-color:yellow">
<style>
body {
  background-image: url("book1.jpg");
  background-repeat: no-repeat;
  background-attachment: fixed;
  background-size: cover;
}
</style>
<br><br><br><br>
<marquee></marquee>
<br><br><br><br><br><br><br><br>
<center><table>
<tr>
<td></td>
<td><center><a href="facultylogin.html"><button
style="color:green">LOGIN</button></a></center></td>
</tr>
<br>
<br>
<br>
<tr>
<td></td>
<td><center><a href="studentlogin.html"><button
style="color:green">LOGIN</button></a></center></td>
</tr></table>
<br>
<br>
<br>
<center><footer style="color:yellow">
@ Copyrights reserved to group 24
</footer></center>
</html>
```

FACULTYLOGIN.html :-

```
<!DOCTYPE html>
<html>
<head>
<title>Admin Login</title>
<center><div style="background-color: skyblue"><h2 style="color:white">Welcome To Admin
Login</h2></div></center>
<br><br><br><br><br><br><br><br>
<center><fieldset style="width:2px"></ center>
<script type="text/javascript">

</script>

</head>

<body bgcolor="pink">

<form action="facultylogin.jsp" method="post"><center>
<center><table>
<tr>
<th colspan=2><h2 align=center style="color:red">ADMIN LOGIN</h2></th>
</tr>
<tr>
<td><label style="color:red">Username:</label></td><td><input type="text" name="uname"></td>
</tr>
<tr><td><label style="color:red">Password:</label></td><td><input type="Password"
name="pwd"></td></tr>
<tr><td colspan="2" align="center"><input type="submit" value="Login"
name="submit"></td></tr>

<tr><td colspan="2" align="center" ><a href="facultyregister.html"
style="color:red">Register</a></td></tr>

</table></center>
<style>
body {
background-image: url('eeee.jpg');
background-repeat: no-repeat;
background-attachment: fixed;
background-size: cover;
}
</style>

</center>
</form>
</body></html>
```


FACULTYLOGIN.jsp :-

```
<% @ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<% @ page import="java.sql.*,javax.servlet.*,javax.servlet.http.*,java.io.*"%>
<%!
Connection con;
Statement stmt;
ResultSet rs;
%>

<%
try{
String uname=request.getParameter("uname");
String pwd=request.getParameter("pwd");

int flag=0;
int uflag=0;
boolean status;
Class.forName("oracle.jdbc.driver.OracleDriver");
con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","system","123");
PreparedStatement ps=con.prepareStatement(
    "select * from facultylogin where username=? and password=?");

    ps.setString(1,uname);
    ps.setString(2,pwd );

    ResultSet rs=ps.executeQuery();
    if(rs.next())
    {
        //out.println("<h3>welcome " + " " + uname + "</h3>");
        response.sendRedirect("floginafter.jsp");
        session.setAttribute("uname",uname);
    }

    else
    {
        out.println("<center><h3>invalid username/password Enter Correct
username/password</h3></center>");
    }

}

catch(Exception e){
out.println(e);

}
%>
</body></html>
```

FACULTYREGISTER.html :-

```
<!DOCTYPE html>
<html>
<head>
<title>Admin Register</title>
<script type = "text/javascript">

    // Form validation code will come here.
    function validate() {

        if( document.myForm.name.value == "" ) {
            alert( "Please provide your name!" );
            document.myForm.name.focus() ;
            return false;
        }
        if( document.myForm.id.value == "" ) {
            alert( "Please provide your ID NO!" );
            document.myForm.id.focus() ;
            return false;
        }
        if( document.myForm.uname.value == "" ) {
            alert( "Please provide your User Name" );
            document.myForm.uname.focus() ;
            return false;
        }

        if( document.myForm.pwd.value == "" ) {
            alert( "Please provide your Password!" );
            document.myForm.pwd.focus() ;
            return false;
        }
        return true;
    }
</script>
</head>
<center><div style="background-color: brown"><h2 style="color:white">Register As Admin</h2></div></center>
<body bgcolor="white">
<center><fieldset style="width:4px">
<form action="facultyregister.jsp" name="myForm" onsubmit="return(validate());" method="post">
<center>
<table>
<tr><td><label>Name:</label></td><td><input type="text" name="name"></td></tr>
<tr><td><label>ID No.:</label></td><td><input type="text" name="id"></td></tr>
<tr><td><label>Username:</label></td><td><input type="text" name="uname"></td></tr>
<tr><td><label>Password:</label></td><td><input type="Password" name="pwd"></td></tr>
<tr><td><label>Email:</label></td><td><input type="email" name="email"></td></tr>
<tr><td colspan="2" align="center"><input type="submit" value="Register" name="register"></a></td></tr>
</table>

</center>
</form>
<span class="lgn">Have an account? <a href="facultylogin.html">Login</a></span>
</body></html>
```

```
<% @page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
```

<0%!

%>

```
String name = request.getParameter("name");
String id = request.getParameter("id");
String uname = request.getParameter("uname");
String pwd=request.getParameter("pwd");
String email=request.getParameter("email");
```

```
try {
```

```
Class.forName("oracle.jdbc.driver.OracleDriver");
```

```
String st7="insert into facultydetails values(?,?,?,?);"
```

```
PreparedStatement ps = con.prepareStatement(st7);
```

```
ps.setString(1,name);
```

```
ps.setString(2,id);
```

```
ps.setString(3,uname);
```

```
ps.setString(4,pwd);
```

```
ps.setString(5,email);
```

```
int f=ps.executeUpdate();
```

```
PreparedStatement ps1 = con.prepareStatement(st8);
```

```
ps1.setString(1,uname);
```

```
ps1.setString(2,pwd);
```

```
int f1=ps1.executeUpdate();
```

```
out.println("<body bgcolor=#48C9B0 ><center>");
```

```
out.println("<h2>");
```

```
if( f>0 && f1>0){
```

```
out.println("Signup Success<br>");
```

```
out.println("Please &nbsp;&nbsp;&nbsp;<a href=facultylogin.html>Login</a> &nbsp;&nbsp;&nbsp; here");
```

```

} else {

```

```
out.println("Invalid Credentials<br>");
```

```
out.println("Please &nbsp;&nbsp;&nbsp;<a href=signup.html>Signup</a> &nbsp;&nbsp;&nbsp; Again");
```

}

```
out.println("</h2></center></body>");
```

```
} catch(Exception e){
```

```
out.println(e.getMessage());
```

finally

```
//close the connection
```

```
try {
```

```
con.close();
```

```
}catch(Exception e1){ } }%>
```

FLOGINAFter.jsp :-

```
<% @ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>Admin Operations</title>
</head>
<center><div style="background-color: brown"><h2 style="color:white">List Of Operations You Can
Perform</h2></div></center>
<br><br><br><br><br><br><br>
<center><h1 style="color:skyblue"><b><i>WELCOME !!! <%=session.getAttribute("uname")
%></i></b></h1></center>
<center><h1 style="color:skyblue"><b><i>CLICK ON THE BUTTON YOU WISH TO
PERFORM</i></b></h1></center>
<body bgcolor="white">
<form action="redirect.jsp" method="post">
<table align="center">
<tr>
<td><input type="submit" class="button" name="x" value="Add A Book"><br><br><br></td>
<td><input type="submit" class="button" name="x" value="Remove A Book"><br><br><br></td>
<td><input type="submit" class="button" name="x" value="View All Books"><br><br><br></td>
<td><input type="submit" class="button" name="x" value="Add A Student"><br><br><br></td>
<td><input type="submit" class="button" name="x" value="Remove A Student"><br><br><br></td>
<td><input type="submit" class="button" name="x" value="View Students Details"><br><br><br></td>
<td><input type="submit" class="button" name="x" value="View Student Details"><br><br><br></td>
<tr>
<td><input type="submit" class="button" name="x" value="View Book Requests"><br><br><br></td></tr>
</tr>
</table>
<br><br><br><br><br><br><br>
<center><input type="submit" class="button" name="x" value="Log Out"></center><br><br><br>
</form>
</body>
<style>
.button {
background-color: default;
border: 2px solid blue;
color: black;
padding: 20px 32px;
text-align: center;
text-decoration: none;
display: inline-block;
font-size: 17px;
margin: 2px 2px;
cursor: pointer;
}
</style>
<style>
body {
background-image: url('facultyoperations.jpg');
background-repeat: no-repeat;
background-attachment: fixed;
background-size: cover;
}
</style>
</html>
```

REDIRECT.jsp :-

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<%
String x=request.getParameter("x");
if(x.equals("Add A Book"))
response.sendRedirect("addabook.html");
else if (x.equals("View All Books"))
response.sendRedirect("viewallbooks.jsp");
else if (x.equals("Remove A Book"))
response.sendRedirect("removebook.html");
else if (x.equals("Add A Student"))
response.sendRedirect("addstudent.html");
else if (x.equals("Remove A Student"))
response.sendRedirect("removestudent.html");
else if (x.equals("View Students Details"))
response.sendRedirect("viewallstudents.jsp");
else if (x.equals("View Student Details"))
response.sendRedirect("viewstudent.html");
else if (x.equals("View Book Requests"))
response.sendRedirect("viewbookorders.jsp");
else if (x.equals("Log Out"))
response.sendRedirect("login.html");
%>
```

ADDBOOK.html :-

```
<!DOCTYPE html>
<html>
<head>
<title>Book Details</title>
<center><h1 style="background-color: pink">BOOKS DETAILS</h1></center>
</head>
<body>
<body style="background-image: url('addabook.jpg');background-repeat: no-repeat;background-size: cover">

<br><br><br><br><br><br><br><br>
<center><table>
<tr>
<th><b><form action="bookdetails.jsp" method="post">Book Name:</b></th>
<td><input type="text" name="bname" placeholder="ENTER BOOK NAME"></td>
</tr>
<tr>
<th><b>Book Id:</b></th>
<td><input type="text" name="bid" placeholder="ENTER BOOK ID" ></td>
</tr>
<tr>
<th><b>Book Author</b></th>
<td><input type="text" name="bauthor" placeholder="ENTER BOOK AUTHOR"></td>
</tr>
<tr>
<td colspan="3" align="center"><input type="submit" value="ADD BOOK "></td>
</tr>
</form>
</table></center>
</fieldset>
</body>
</html>
```

BOOKDETAILS.jsp :-

```
<% @ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<% @page import=" javax.servlet.*,
javax.servlet.http.*,
java.io.*,
java.sql.*" %>
<%!
Connection con;
Statement stmt;
ResultSet rs;
%>
<%
    String bname = request.getParameter("bname");
    String bid = request.getParameter("bid");
    String bauthor = request.getParameter("bauthor");
    //connect with oracleDB to check whether userdetails available or not
    try{
    //connection establishment
    Class.forName("oracle.jdbc.driver.OracleDriver");
    con = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","system","123");
    String st7="insert into bookdetails values(?,?,?)";
    PreparedStatement ps = con.prepareStatement(st7);
    ps.setString(1,bname);
    ps.setString(2,bid);
    ps.setString(3,bauthor);
    int f=ps.executeUpdate();%>
<body style="background-image: url('addabook.jpg');background-repeat: no-repeat;background-size:
cover"><center>
<br><br><br><br><br><br><br><br><br>
<%
    if( f>0){
    out.println("<b>BOOK WAS ADDED SUCCESSFULLY<b><br>");
    out.println("<br><br><br><br><br>");
    out.println("Press &nbsp;&nbsp;&nbsp;<a href=addabook.html>HERE</a> &nbsp;&nbsp;&nbsp; to add another
book<br><br><br><br>");
    out.println("Press &nbsp;&nbsp;&nbsp;<a href=floginafter.jsp>HERE</a> &nbsp;&nbsp;&nbsp; to return to operations
page");
    }else{
    out.println("BOOK WAS NOT ADDED SUCCESSFULLY<br>");
    out.println("Please &nbsp;&nbsp;&nbsp;<a href=addabook.html>CLICK HERE</a> &nbsp;&nbsp;&nbsp; to add book
again");
    }%>
</center></body>
<% }catch(Exception e){
out.println(e.getMessage());
}finally{
//close the connection
try{
con.close();
}catch(Exception e1){}
}%>
```

VIEWALLBOOKS.jsp :-

```
<% @page import="java.sql.*"%>
<% @page import="java.sql.ResultSet"%>
<% @page import="java.sql.Statement"%>
<% @page import="java.sql.Connection"%>
<% !
```

```
Statement stmt;
```

```
ResultSet rs;
```

```
%>
```

```
<!DOCTYPE html>
```

```
<html>
```

```
<body style="background-image: url('addabook.jpg');background-repeat: no-repeat;background-size: cover">
```

```
<h1 align="center">DETAILLS OF ALL BOOKS</h1>
```

```
<br><br><br><br><br><br><br><br><br>
```

```
<center><table border="1">
```

```
<tr>
```

```
<td><labe style="color:yellow">BOOK NAME</labe></td>
```

```
<td><labe style="color:yellow">BOOK ID</labe></td>
```

```
<td><labe style="color:yellow">BOOK AUTHOR</labe></td>
```

```
</tr>
```

```
<%
```

```
try{
```

```
Class.forName("oracle.jdbc.driver.OracleDriver");
```

```
Connection
```

```
con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","system","123");
```

```
String sql ="select * from bookdetails";
```

```
PreparedStatement ps=con.prepareStatement(
    "select * from bookdetails");
```

```
ResultSet rs=ps.executeQuery();
```

```
while(rs.next()){
```

```
%>
```

```
<tr>
```

```
<td><%=rs.getString("bName") %></td>
```

```
<td><%=rs.getString("bId") %></td>
```

```
<td><%=rs.getString("bAuthor") %></td>
```

```
</tr>
```

```
<%
```

```
}
```

```
con.close();
```

```
} catch (Exception e) {
```

```
e.printStackTrace();
```

```
}
```

```
%>
```

```
</table>
```

```
</body></html>
```


REMOVEBOOK.html :-

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>REMOVE A BOOK</title>
</head><a><center><div style="background-color: brown"><h2
style="color:white">Remove A Book</h2></div></center></a>
<body style="background-image: url('addabook.jpg');background-repeat: no-
repeat;background-size: cover">
<center><form action="removebook.jsp" method="post">
<br><br><br><br><br><br><br>
Enter The Id Of The Book You Want TO Remove :
<input type="text" name="bid" placeholder="Enter Book Id">
<br><br><br><br>
<input type="submit" name="remove" value="Remove Book">
</form>
</center>
</body>
</html>
```

REMOVEBOOK.jsp :-

```
<% @ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<% @page import=" javax.servlet.*,
 javax.servlet.http.*,
 java.io.*,
 java.sql.*" %>
<%!
Connection con;
Statement stmt;
ResultSet rs;
%>
<%
    String id = request.getParameter("bid");
    //connect with oracleDB to check whether userdetails available or not

try{
//connection establishment
Class.forName("oracle.jdbc.driver.OracleDriver");
con = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","system","123");
stmt = con.createStatement();
String sql = "DELETE FROM bookdetails WHERE bid = ?";
PreparedStatement ps = con.prepareStatement(sql);
ps.setString(1,id);
int f=ps.executeUpdate();
if(f>0)
{
<body style="background-image: url('addabook.jpg');background-repeat: no-repeat;background-size: cover">
<center><h2 style="color:red">Book Was Deleted Successfully</h2>
<p>Press <a href=viewallbooks.jsp style="color:red">HERE</a> To View The List Of Books After
Deleting</p></center>
<%
}
else
{
<body style="background-image: url('addabook.jpg');background-repeat: no-repeat;background-size: cover">
<center><h2 style="color:red">Book Was NOT Deleted Successfully</h2>
<p>Press <a href=removebook.html style="color:red">HERE</a> To Delete Book
Again</p></center>
<%
}
} catch(Exception e){
out.println(e.getMessage());
} finally{
//close the connection
try{
con.close();
} catch(Exception e1){} } %>
```

ADDSTUDENT.html :-

```
<!DOCTYPE html>
<html>
<head>
<title>Student Register</title>
<script type = "text/javascript">

    // Form validation code will come here.
    function validate() {

        if( document.myForm.name.value == "" ) {
            alert( "Please provide your name!" );
            document.myForm.name.focus() ;
            return false;
        }
        if( document.myForm.id.value == "" ) {
            alert( "Please provide your ID NO!" );
            document.myForm.id.focus() ;
            return false;
        }
        if( document.myForm.uname.value == "" ) {
            alert( "Please provide your User Name" );
            document.myForm.uname.focus() ;
            return false;
        }

        if( document.myForm.pwd.value == "" ) {
            alert( "Please provide your Password!" );
            document.myForm.pwd.focus() ;
            return false;
        }
        return true;
    }
</script>
</head>
<center><div style="background-color: brown"><h2 style="color:white">Register As
Student</h2></div></center>
<body bgcolor="white">
<center><fieldset style="width:4px">
<form action="addstudent.jsp" name="myForm" onsubmit="return(validate());"
method="post">
<center>
<table>
<tr><td><label>Name:</label></td><td><input type="text" name="name"></td></tr>
<tr><td><label>ID No.:</label></td><td><input type="text" name="id"></td></tr>
<tr><td><label>Username:</label></td><td><input type="text" name="uname"></td></tr>
<tr><td><label>Password:</label></td><td><input type="Password" name="pwd"></td></tr>
<tr><td><label>Email:</label></td><td><input type="email" name="email"></td></tr>
<tr><td colspan="2" align="center"><input type="submit" value="ADD STUDENT"
name="add"></td></tr>
</table>

</center>
</form>
</body>
</html>
```

ADDSTUDENT.jsp :-

```
<% @ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<% @ page import="javax.servlet.*,
javax.servlet.http.*,
java.io.*,
java.sql.*"%>
<%!
Connection con;
Statement stmt;
ResultSet rs;
%>
<%
    String name = request.getParameter("name");
    String id = request.getParameter("id");
    String uname = request.getParameter("uname");
    String pwd=request.getParameter("pwd");
    String email=request.getParameter("email");

//connect with oracleDB to check whether userdetails available or not
try{
//connection establishment
Class.forName("oracle.jdbc.driver.OracleDriver");
con = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","system","123");
String st7="insert into studentdetails values(?,?,?,?)";
String st8="insert into studentlogin values(?,?)";
PreparedStatement ps = con.prepareStatement(st7);
ps.setString(1,name);
ps.setString(2,id);
ps.setString(3,uname);
ps.setString(4,pwd);
ps.setString(5,email);
int f=ps.executeUpdate();
PreparedStatement ps1 = con.prepareStatement(st8);
ps1.setString(1,uname);
ps1.setString(2,pwd);
int f1=ps1.executeUpdate();
%>
<body style="background-image: url('addabook.jpg');background-repeat: no-repeat;background-size: cover"><center>
<br><br><br><br><br><br><br><br>
<%
if( f>0 && f1>0){
    out.println("<b>STUDENT WAS ADDED SUCCESSFULLY<b><br>");
    out.println("<br><br><br><br><br>");
    out.println("Press &nbsp;&nbsp;&nbsp;<a href=addstudent.html>HERE</a> &nbsp;&nbsp;&nbsp; to add another
student<br><br><br><br>");
    out.println("Press &nbsp;&nbsp;&nbsp;<a href=floginafter.jsp>HERE</a> &nbsp;&nbsp;&nbsp; to return to operations page");
}else{
    out.println("STUDENT WAS NOT ADDED SUCCESSFULLY<br>");
    out.println("Please &nbsp;&nbsp;&nbsp;<a href=addstudent.html>CLICK HERE</a> &nbsp;&nbsp;&nbsp; to add student again");
}
%>
</center></body>
<%
}catch(Exception e){
out.println(e.getMessage());
}finally{
//close the connection
try{
con.close();
}catch(Exception e1){}
}
%>
```

REMOVESTUDENT.html :-

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>REMOVE A STUDENT</title>
</head><a><center><div style="background-color: brown"><h2
style="color:white">Remove A Student</h2></div></center></a>
<body style="background-image: url('addabook.jpg');background-repeat: no-
repeat;background-size: cover">
<center><form action="removestudent.jsp" method="post">
<br><br><br><br><br><br><br>
Enter The Id Of The Student You Want TO Remove :
<input type="text" name="sid" placeholder="Enter Student Id">
<br><br><br><br><br><br><br>
Enter The User Name Of The Student You Want TO Remove :
<input type="text" name="uid" placeholder="Enter Student User Name">
<br><br><br><br>
<input type="submit" name="remove" value="Remove Student">
</form>
</center>

</body>
</html>
```

REMOVESTUDENT.jsp :-

```
<% @ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<% @page import="javax.servlet.*,
javax.servlet.http.*,
java.io.*,
java.sql.*" %>
<%!
Connection con;
Statement stmt;
ResultSet rs;
%>
<%
    String id = request.getParameter("sid");
    String uid = request.getParameter("uid");
    //connect with oracleDB to check whether userdetails available or not
try{
//connection establishment
Class.forName("oracle.jdbc.driver.OracleDriver");
con = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","system","123");
stmt = con.createStatement();
String sql = "DELETE FROM studentdetails WHERE id = ?";
String sql1 = "DELETE FROM studentlogin WHERE username = ?";
PreparedStatement ps = con.prepareStatement(sql);
ps.setString(1,id);
int f=ps.executeUpdate();
PreparedStatement ps1 = con.prepareStatement(sql1);
ps1.setString(1,uid);
int f1=ps1.executeUpdate();
if(f>0 && f1>0)
{ %>
    <body style="background-image: url('addabook.jpg');background-repeat: no-repeat;background-size: cover">
<center><h2 style="color:red">Student Was Deleted Successfully</h2>
<p>Press <a href=viewallstudents.jsp style="color:red">HERE</a> To View The List Of Students After
Deleting</p></center>
<%
}
else
{ %>
<body style="background-image: url('addabook.jpg');background-repeat: no-repeat;background-size: cover">
<center><h2 style="color:red">Student Was NOT Deleted Successfully</h2>
<p>Press <a href=removestudent.html style="color:red">HERE</a> To Delete Student Again</p></center>
<%
}
} catch (Exception e){
out.println(e.getMessage());
} finally{
//close the connection
try{
con.close();
} catch (Exception e1){}
} %>
```

VIEWALLSTUDENTS.jsp :-

```
<% @page import="java.sql. *" %>
<% @page import="java.sql.ResultSet" %>
<% @page import="java.sql.Statement" %>
<% @page import="java.sql.Connection" %>
<% !

Statement stmt;
ResultSet rs;
%>
<!DOCTYPE html>
<html>
<body style="background-image: url('addabook.jpg');background-repeat: no-repeat;background-size: cover">

<h1 align="center">DETAILS OF ALL BOOKS</h1>
<br><br><br><br><br><br><br>
<center><table border="1">
<tr>
<td><table style="color:yellow">STUDENT NAME</table></td>
<td><table style="color:yellow">STUDENT ID</table></td>
<td><table style="color:yellow">USERNAME</table></td>
<td><table style="color:yellow">PASSWORD</table></td>
</tr>
<%
try{
    Class.forName("oracle.jdbc.driver.OracleDriver");
    Connection
con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","system","123");

PreparedStatement ps=con.prepareStatement(
    "select * from studentdetails");
ResultSet rs=ps.executeQuery();
while(rs.next()){
%>
<tr>
<td><%=rs.getString(1) %></td>
<td><%=rs.getString(2) %></td>
<td><%=rs.getString(3) %></td>
<td><%=rs.getString(4) %></td>
</tr>
<%
}
con.close();
} catch (Exception e) {
e.printStackTrace();
}
%>
</table>
</body>
</html>
```

VIEWSTUDENT.html :-

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>VIEW A STUDENT</title>
</head><a><center><div style="background-color: brown"><h2
style="color:white">STUDENT DETAILS</h2></div></center></a>
<body style="background-image: url('addabook.jpg');background-repeat: no-
repeat;background-size: cover">
<center><form action="viewstudent.jsp" method="post">
<br><br><br><br><br><br><br>
Enter The Id Of The Student You Want To View Details :
<input type="text" name="id" placeholder="Enter Student Id">
<br><br><br><br>
<input type="submit" name="view" value="VIEW STUDENT DETAILS">
</form>
</center>

</body>
</html>
```


VIEWSTUDENT.jsp :-

```
<% @ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<% @page import=" javax.servlet.*,
javax.servlet.http.*,
java.io.*,
java.sql.*" %>
<%!
Connection con;
Statement stmt;
ResultSet rs;
%>
<!DOCTYPE html>
<html>
<body style="background-image: url('addabook.jpg');background-repeat: no-repeat;background-size: cover">
<h1 align="center">DETAILLS OF STUDENT</h1>
<br><br><br><br><br><br><br><br>
<center><table border="1">
<tr>
<td><table style="color:green">STUDENT NAME</table></td>
<td><table style="color:green">STUDENT ID</table></td>
<td><table style="color:green">USERNAME</table></td>
<td><table style="color:green">PASSSSWORD</table></td>
</tr>
<%
        String id = request.getParameter("id");
        //connect with oracleDB to check whether userdetails available or not
    try{
        //connection establbishment
        Class.forName("oracle.jdbc.driver.OracleDriver");
        con = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","system","123");
        stmt = con.createStatement();
        String sql = "SELECT * FROM studentdetails WHERE id = ?";
        PreparedStatement ps = con.prepareStatement(sql);
        ps.setString(1,id);
        rs=ps.executeQuery();
        while(rs.next())
        { %>
            <tr>
            <td><%=rs.getString(1) %></td>
            <td><%=rs.getString(2) %></td>
            <td><%=rs.getString(3) %></td>
            <td><%=rs.getString(4) %></td>
            </tr>
            <%
        }
        }catch(Exception e){
        out.println(e.getMessage());
        }finally{
        //close the connection
        try{
        con.close();
        }catch(Exception e1){} } %>
```

VIEWBOOKORDERS.jsp :-

```
<% @page import="java.sql. *" %>
<% @page import="java.sql.ResultSet" %>
<% @page import="java.sql.Statement" %>
<% @page import="java.sql.Connection" %>
<% !

Statement stmt;
ResultSet rs;
%>
<!DOCTYPE html>
<html>
<body style="background-image: url('addabook.jpg');background-repeat: no-repeat;background-size: cover">

<h1 align="center">DEATILS OF BOOK REQUESTS</h1>
<br><br><br><br><br><br><br>
<center><table border="1">
<tr>
<td><table style="color:red">STUDENT ID</table></td>
<td><table style="color:red">BOOK NAME</table></td>
<td><table style="color:red">BOOK AUTHOR</table></td>
</tr>
<%
try{
    Class.forName("oracle.jdbc.driver.OracleDriver");
    Connection
con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","system","123");

PreparedStatement ps=con.prepareStatement(
    "select * from bookrequest");
ResultSet rs=ps.executeQuery();
while(rs.next()){
%>
<tr>
<td><%=rs.getString(1) %></td>
<td><%=rs.getString(2) %></td>
<td><%=rs.getString(3) %></td>
</tr>
<%
}
con.close();
} catch (Exception e) {
e.printStackTrace();
}
%>
</table>
</body>
</html>
```

STUDENTLOGIN.html :-

```
<!DOCTYPE html>
<html>
<head>
<title>Student Login</title>
<center><div style="background-color: skyblue"><h2 style="color:white">Welcome To Student
Login</h2></div></center>
<br><br><br><br><br><br><br><br>
<center><fieldset style="width:2px"></ center>
<script type="text/javascript">

</script>

</head>

<body bgcolor="pink">

<form action="studentlogin.jsp" method="post"><center>
<center><table>
<tr>
<th colspan=2><h2 align=center style="color:red">STUDENT LOGIN</h2></th>
</tr>
<tr>
<td><label style="color:red">Username:</label></td><td><input type="text" name="uname"></td>
</tr>
<tr>
<td><label style="color:red">Password:</label></td><td><input type="Password"
name="pwd"></td></tr>
<tr><td colspan="2" align="center"><input type="submit" value="Login"
name="submit"></td></tr>

<tr><td colspan="2" align="center" ><a href="studentregister.html"
style="color:red">Register</a></td></tr>

</table></center>
<style>
body {
background-image: url('student.jpg');
background-repeat: no-repeat;
background-attachment: fixed;
background-size: 100% 100%;
}
</style>

</center>
</form>
</body>
</html>
```

STUDENTLOGIN.jsp :-

```
<% @ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<% @ page import="java.sql.*,javax.servlet.*,javax.servlet.http.*,java.io.*"%>
<%!
Connection con;
Statement stmt;
ResultSet rs;
%>
<%
try{
String uname=request.getParameter("uname");
String pwd=request.getParameter("pwd");
int flag=0;
int uflag=0;
boolean status;
Class.forName("oracle.jdbc.driver.OracleDriver");
con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","system","123");
PreparedStatement ps=con.prepareStatement(
    "select * from studentlogin where username=? and password=?");
    ps.setString(1,uname);
    ps.setString(2,pwd );
    ResultSet rs=ps.executeQuery();
    if(rs.next())
    {
        response.sendRedirect("sloginafter.jsp");
        session.setAttribute("uname",uname);
    }
    else
    {
        out.println("<center><h3>invalid username/password Enter Correct
username/password</h3></center>");
    }

}

catch(Exception e){
out.println(e);

}
%>
</body>
</html>
```

STUDENTREGISTER.html :-

```
<!DOCTYPE html>
<html>
<head>
<title>Student Register</title>
<script type = "text/javascript">

    // Form validation code will come here.
    function validate() {

        if( document.myForm.name.value == "" ) {
            alert( "Please provide your name!" );
            document.myForm.name.focus() ;
            return false;
        }
        if( document.myForm.id.value == "" ) {
            alert( "Please provide your ID NO!" );
            document.myForm.id.focus() ;
            return false;
        }
        if( document.myForm.uname.value == "" ) {
            alert( "Please provide your User Name" );
            document.myForm.uname.focus() ;
            return false;
        }

        if( document.myForm.pwd.value == "" ) {
            alert( "Please provide your Password!" );
            document.myForm.pwd.focus() ;
            return false;
        }
        return true;
    }
</script>
</head>
<center><div style="background-color: brown"><h2 style="color:white">Register As Student</h2></div></center>
<body bgcolor="white">
<center><fieldset style="width:4px">
<form action="studentregister.jsp" name="myForm" onsubmit="return(validate());" method="post">
<center>
<table>
<tr><td><label>Name:</label></td><td><input type="text" name="name"></td></tr>
<tr><td><label>ID No.:</label></td><td><input type="text" name="id"></td></tr>
<tr><td><label>Username:</label></td><td><input type="text" name="uname"></td></tr>
<tr><td><label>Password:</label></td><td><input type="Password" name="pwd"></td></tr>
<tr><td><label>Email:</label></td><td><input type="email" name="email"></td></tr>
<tr><td colspan="2" align="center"><input type="submit" value="Register" name="register"></a></td></tr>
</table>

</center>
</form>
<span class="lgn">Have an account? <a href="studentlogin.html">Login</a></span>

</body>
</html>
```

STUDENTREGISTER.jsp :-

```
<% @ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<% @page import=" javax.servlet.*,
 javax.servlet.http.*,
 java.io.*,
 java.sql.*" %>
<%!
Connection con;
Statement stmt;
ResultSet rs;
%>
<%
    String name = request.getParameter("name");
    String id = request.getParameter("id");
    String uname = request.getParameter("uname");
    String pwd=request.getParameter("pwd");
//connect with oracleDB to check whether userdetails available or not
try{
//connection establishment
Class.forName("oracle.jdbc.driver.OracleDriver");
con = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","system","123");
String st7="insert into studentdetails values(?,?,?,?)";
String st8="insert into studentlogin values(?,?)";
PreparedStatement ps = con.prepareStatement(st7);
ps.setString(1,name);
ps.setString(2,id);
ps.setString(3,uname);
ps.setString(4,pwd);
int f=ps.executeUpdate();
PreparedStatement ps1 = con.prepareStatement(st8);
ps1.setString(1,uname);
ps1.setString(2,pwd);
int f1=ps1.executeUpdate();
out.println("<body bgcolor=#48C9B0 ><center>");
out.println("<h2>");
if( f>0 && f1>0){
out.println("Signup Success<br>");
out.println("Please &nbsp;&nbsp;&nbsp;<a href=studentlogin.html>Login</a> &nbsp;&nbsp;&nbsp; here");
}else{
out.println("Invalid Credentials<br>");
out.println("Please &nbsp;&nbsp;&nbsp;<a href=signup.html>Signup</a> &nbsp;&nbsp;&nbsp; Again");
}
out.println("</h2></center></body>");
}catch(Exception e){
out.println(e.getMessage());
}finally{
//close the connection
try{con.close();}catch(Exception e1){}}%>
```

SLOGIN.jsp :-

```
<% @ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>Student Operations</title>
</head>
<center><div style="background-color: brown"><h2 style="color:white">List Of Operations You Can
Perform</h2></div></center>
<br><br><br><br><br><br>
<center><h1 style="color:white"><b><i>WELCOME !!! <%=session.getAttribute("uname")
%></i></b></h1></center>
<center><h1 style="color:white"><b><i>CLICK ON THE BUTTON YOU WISH TO
PERFORM</i></b></h1></center>
<body bgcolor="white">
<form action="sredirect.jsp" method="post">
<table align='center'>
<tr>
<td><input type="submit" class="button" name="x" value="View All Books"><br><br><br></td>
<td><input type="submit" class="button" name="x" value="Request A Book"><br><br><br></td>
<td><input type="submit" class="button" name="x" value="View Students Details"><br><br><br></td>
<td><input type="submit" class="button" name="x" value="Log Out"><br><br><br></td>
</tr>
</table>
</form>
</body>
<style>
.button {
    background-color: default;
    border: 2px solid blue;
    color: black;
    padding: 20px 32px;
    text-align: center;
    text-decoration: none;
    display: inline-block;
    font-size: 17px;
    margin: 2px 2px;
    cursor: pointer;
}
</style>
<style>
body {
    background-image: url('sloginafter.jpg');
    background-repeat: no-repeat;
    background-attachment: fixed;
    background-size: cover;
}
</style>
</html>
```

SLOGINAFter.jsp :-

```
<% @ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"% >
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>Student Operations</title>
</head>
<center><div style="background-color: brown"><h2 style="color:white">List Of Operations You Can
Perform</h2></div></center>
<br><br><br><br><br><br>
<center><h1 style="color:white"><b><i>WELCOME !!! <%=session.getAttribute("uname")
%></i></b></h1></center>
<center><h1 style="color:white"><b><i>CLICK ON THE BUTTON YOU WISH TO
PERFORM</i></b></h1></center>
<body bgcolor="white">
<form action="sredirect.jsp" method="post">
<table align='center'>
<tr>
<td><input type="submit" class="button" name="x" value="View All Books"><br><br><br></td>
<td><input type="submit" class="button" name="x" value="Request A Book"><br><br><br></td>
<td><input type="submit" class="button" name="x" value="View Students Details"><br><br><br></td>
<td><input type="submit" class="button" name="x" value="Log Out"><br><br><br></td>
</tr>
</table>
</form>
</body>
<style>
.button {
    background-color: default;
    border: 2px solid blue;
    color: black;
    padding: 20px 32px;
    text-align: center;
    text-decoration: none;
    display: inline-block;
    font-size: 17px;
    margin: 2px 2px;
    cursor: pointer;
}
</style>
<style>
body {
    background-image: url('sloginafter.jpg');
    background-repeat: no-repeat;
    background-attachment: fixed;
    background-size: cover;
}
</style>
</html>
```


SREDIRECT.jsp :-

```
<% @ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<%
String x=request.getParameter("x");
if (x.equals("View All Books"))
response.sendRedirect("viewallbooks.jsp");
if (x.equals("Request A Book"))
response.sendRedirect("requestbook.html");
else if (x.equals("View Students Details"))
response.sendRedirect("sviewallstudents.jsp");
else if (x.equals("Log Out"))
response.sendRedirect("login.html");
%>
```

REQUESTBOOK.html :-

```
<!DOCTYPE html>
<html>
<head>
<title>Book Request</title>
<center><h1 style="background-color: pink">REQUEST A BOOK</h1></center>
</head>
<body>
<body style="background-image: url('sloginafter.jpg');background-repeat: no-repeat;background-size: cover">

<br><br><br><br><br><br><br><br>
<center><table>
<tr>
<th><b><form action="requestbook.jsp" method="post"><lable for="sid"
style="color: red">STUDENT ID:</b></th>
<td><input type=" text" name="sid" placeholder="ENTER YOUR ID"></td>
</tr>
<tr>
<th><lable for="bname" style="color: red"><b>Book Name:</b></th>
<td><input type=" text" name="bname" placeholder="ENTER BOOK NAME"></td>
</tr>
<tr>
<th><lable for="bauthor" style="color: red"><b>Book Author</b></th>
<td><input type="text" name="bauthor" placeholder="ENTER BOOK AUTHOR"></td>
</tr>

<tr>

<td colspan="3" align="center"><input type="submit" value="REQUEST BOOK "></td>

</tr>
</form>
</table></center>
</fieldset>
</body>
</html>
```

REQUESTBOOK.jsp :-

```
<% @ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<% @page import=" javax.servlet.*,
 javax.servlet.http.*,
 java.io.*,
 java.sql.*" %>
<%!
Connection con;
Statement stmt;
ResultSet rs;
%>
<%
    String sid = request.getParameter("sid");
    String bname = request.getParameter("bname");
    String bauthor = request.getParameter("bauthor");
    //connect with oracleDB to check whether userdetails available or not
    try{
    //connection establishment
    Class.forName("oracle.jdbc.driver.OracleDriver");
    con = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","system","123");
    String st7="insert into bookrequest values(?,?,?)";
    PreparedStatement ps = con.prepareStatement(st7);
    ps.setString(1,sid);
    ps.setString(2,bname);
    ps.setString(3,bauthor);
    int f=ps.executeUpdate();%>
<body style="background-image: url('addabook.jpg');background-repeat: no-repeat;background-size:
cover"><center>
<br><br><br><br><br><br><br><br><br>
<%
    if( f>0){
    out.println("<b>YOUR REQUEST WAS SUCCESSFULLY SAVED<b><br>");
    out.println("<br><br><br><br><br>");
    out.println("Press &nbsp;&nbsp;&nbsp;<a href=request.html>HERE</a> &nbsp;&nbsp;&nbsp; to request another
book<br><br><br><br>");
    out.println("Press &nbsp;&nbsp;&nbsp;<a href=sloginafter.jsp>HERE</a> &nbsp;&nbsp;&nbsp; to return to operations
page");
    }else{
    out.println("YOUR REQUEST WAS NOT SUCCESSFULLY SAVED<br>");
    out.println("Please &nbsp;&nbsp;&nbsp;<a href=requestbook.html>CLICK HERE</a> &nbsp;&nbsp;&nbsp; to request
book again");
    }%>
</center></body>
<% }catch(Exception e){
    out.println(e.getMessage());
    }finally{
    //close the connection
    try{
    con.close();
    }catch(Exception e1){}
    }%>
```

SVIEWALLSTUDENTS.jsp :-

```
<% @page import="java.sql.*"%>
<% @page import="java.sql.ResultSet"%>
<% @page import="java.sql.Statement"%>
<% @page import="java.sql.Connection"%>
<% !
```

```
Statement stmt;
```

```
ResultSet rs;
```

```
%>
```

```
<!DOCTYPE html>
```

```
<html>
```

```
<body style="background-image: url('addabook.jpg');background-repeat: no-repeat;background-size: cover">
```

```
<h1 align="center">DETAILS OF ALL BOOKS</h1>
```

```
<br><br><br><br><br><br><br><br><br>
```

```
<center><table border="1">
```

```
<tr>
```

```
<td><lable style="color:yellow">STUDENT NAME</lable></td>
```

```
<td><lable style="color:yellow">STUDENT ID</lable></td>
```

```
</tr>
```

```
<%
```

```
try{
```

```
Class.forName("oracle.jdbc.driver.OracleDriver");
```

```
Connection
```

```
con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","system","123");
```

```
PreparedStatement ps=con.prepareStatement(
    "select * from studentdetails");
```

```
ResultSet rs=ps.executeQuery();
```

```
while(rs.next()){
```

```
%>
```

```
<tr>
```

```
<td><%=rs.getString(1) %></td>
```

```
<td><%=rs.getString(2) %></td>
```

```
</tr>
```

```
<%
```

```
}
```

```
con.close();
```

```
} catch (Exception e) {
```

```
e.printStackTrace();
```

```
}
```

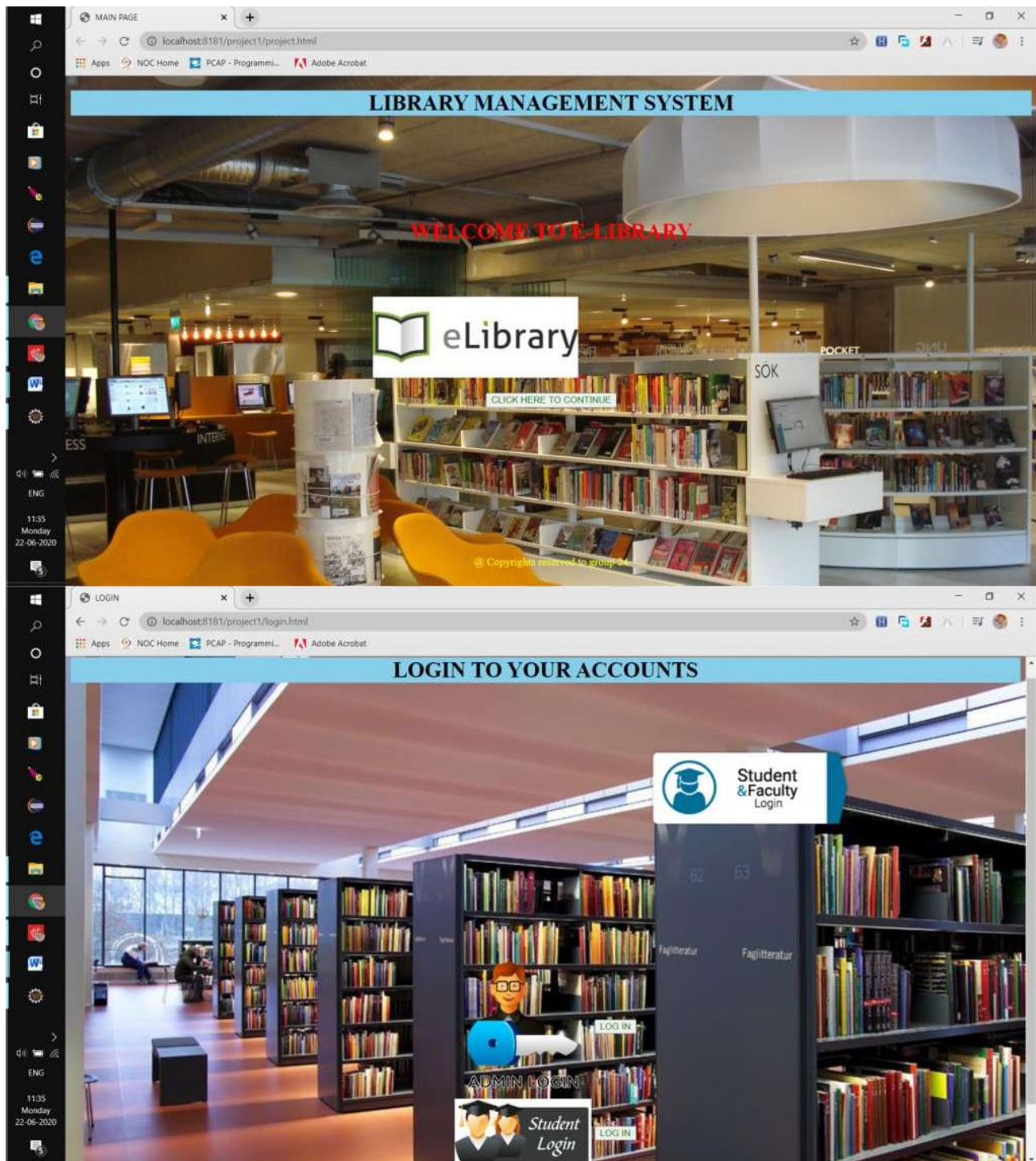
```
%>
```

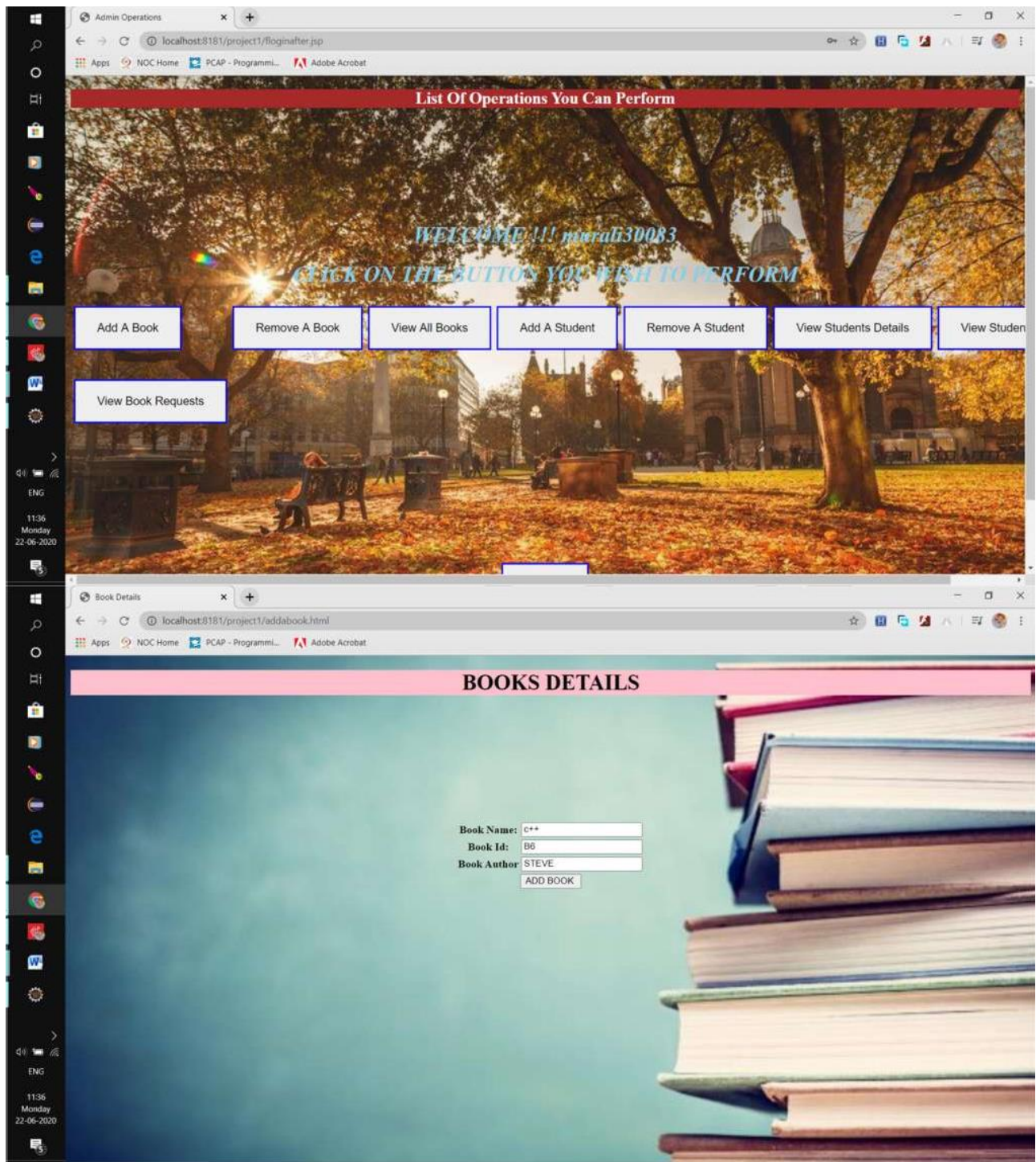
```
</table>
```

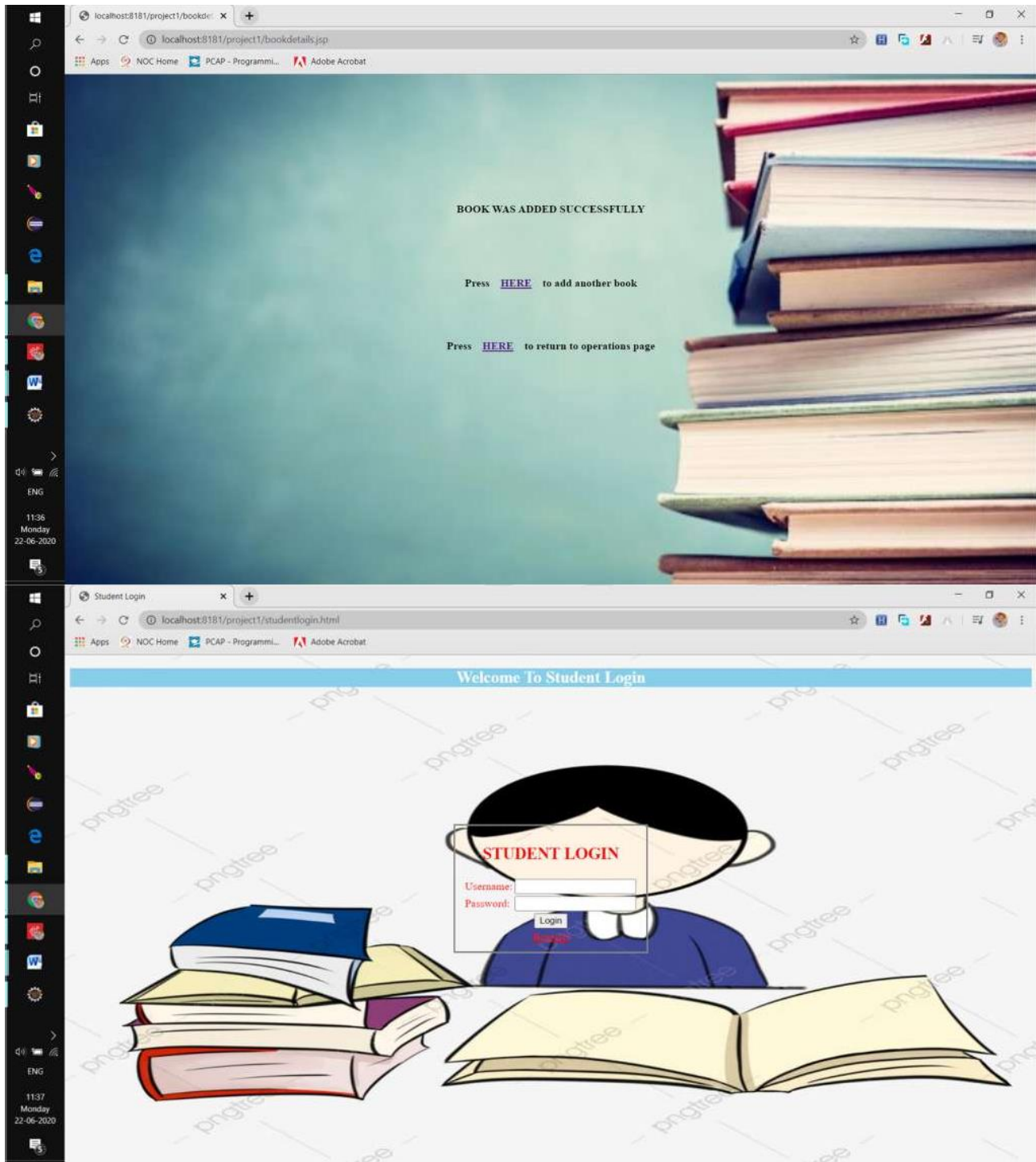
```
</body>
```

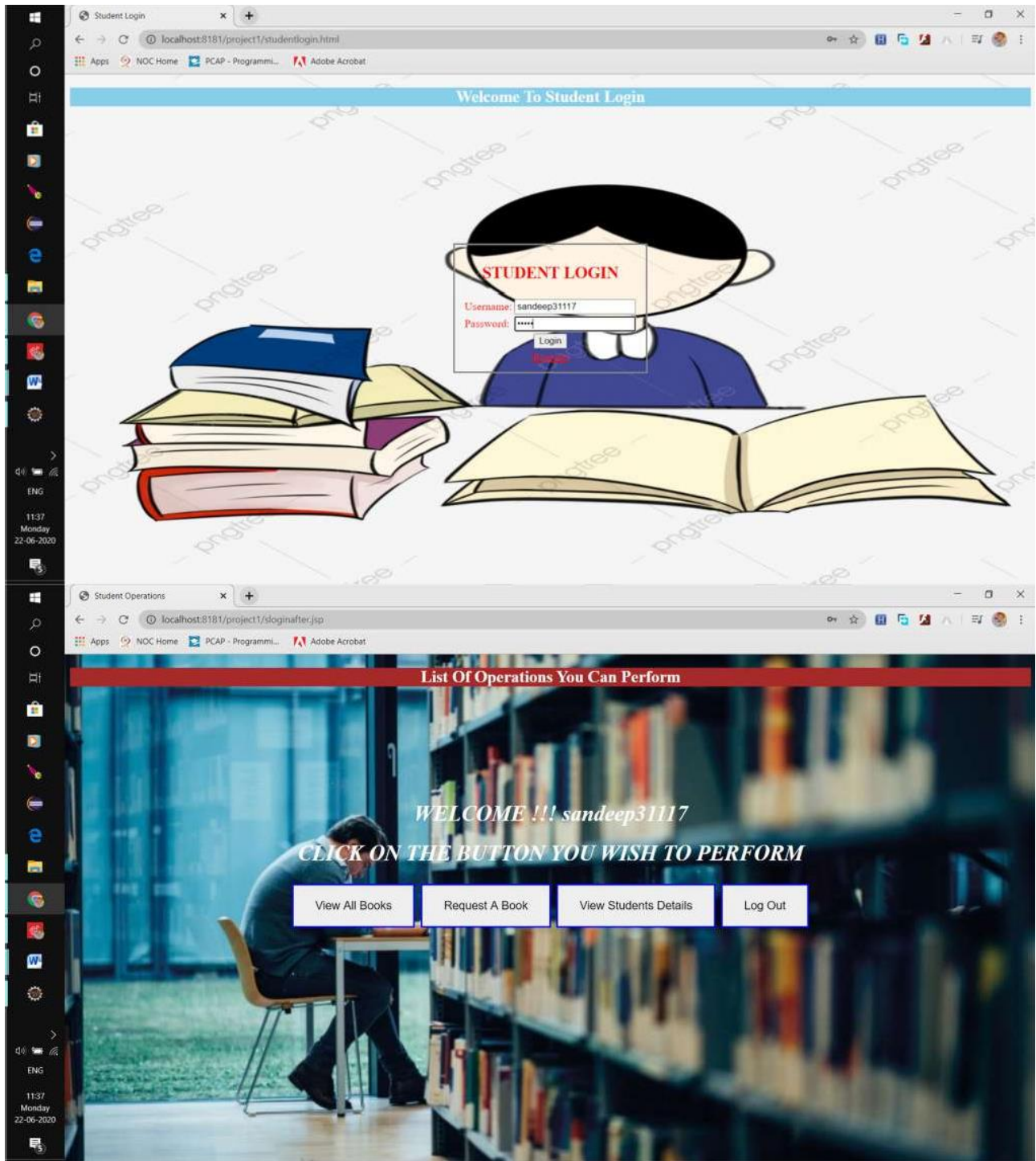
```
</html>
```

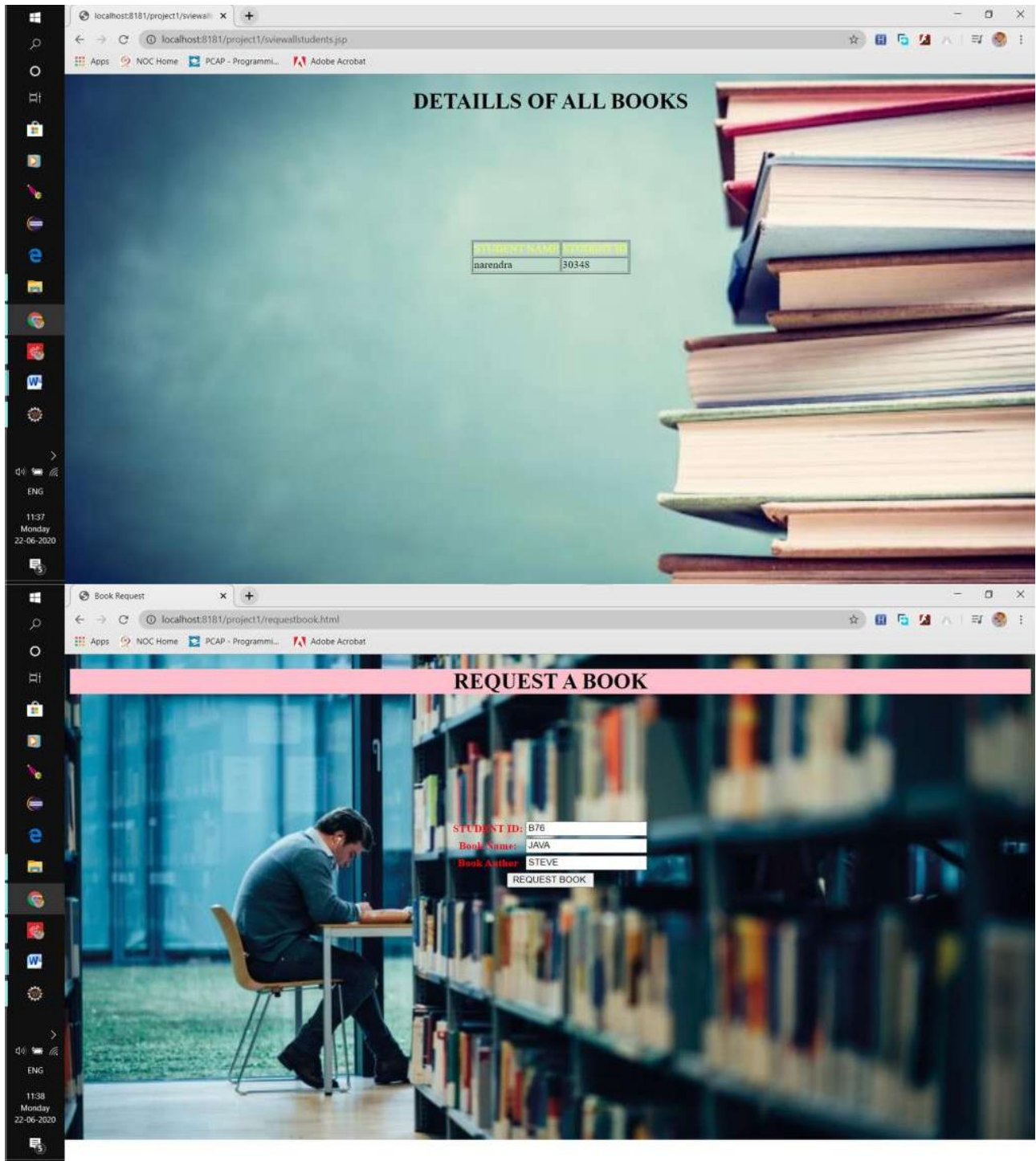
OUTPUTS

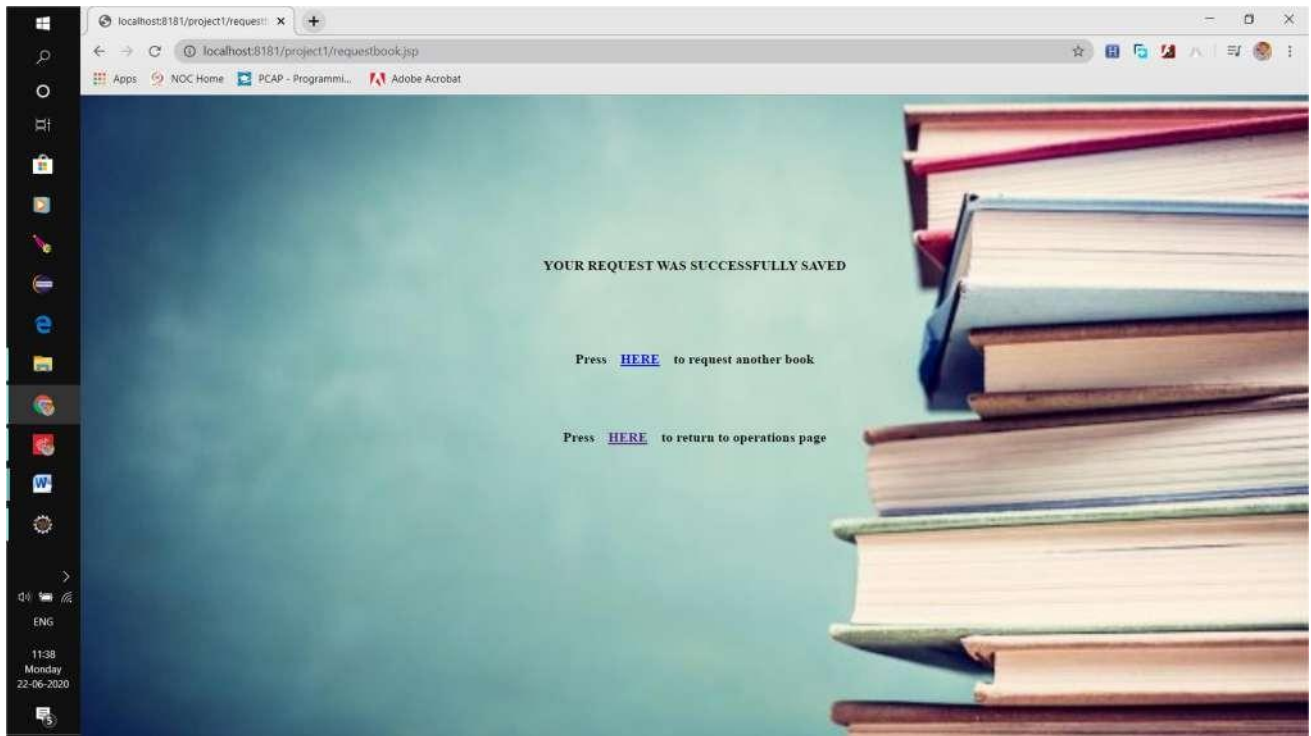












CONCLUSION

Our project is only a humble venture to satisfy the needs in a library. Several user friendly coding have also adopted. This package shall prove to be a powerful package in satisfying all the requirements of the organization

The objective of software planning is to provide a frame work that enables the manger to make reasonable estimates made within a limited time frame at the beginning of the software project and should be updated regularly as the project progresses. Last but not least it is no the work that played the ways to success.