Roll No. : 18WH1A1252 Date:

**Aim:**Redo the previous task using JSP by converting the static web pages of assignments 2 into dynamic web pages. Create a database with user information and books information. The books catalogue should be dynamically loaded from the database. Follow the MVC architecture while doing the website.

**Program:**

**Main.html**

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title>Main Shopping Cart Page</title>

</head>

<body bgcolor="#66ccff">

<br/><br /><br /><br /><br />

<h1 align="center"><U> ONLINE BOOK STORAGE </U></h1><br /><br /><br />

<h2 align="center">

<pre>

<b>Welcome to online book storage. Press LOGIN if you are having id otherwise press REGISTRATION</b>

</pre>

</h2>

<br/><br/>

<pre>

<div align="center"><a href="loginPage.html">LOGIN</a><a href="registrationPage.html"> REGISTRATION</a></div>

</pre>

</body>

</html>

Roll No. : 18WH1A1252 Date:

**registrationPage.html**

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title>Shopping Cart Registration Page</title>

</head>

<body bgcolor="#88cc00">

<form name="myform" method="post" action="Registration1.jsp">

<h1 align = "center"> Registration </h1>

<table align="center" >

<tr>

<td>NAME</td>

<td><input type="text" name="name" /></td>

</tr>

<tr>

<td>ADDRESS</td>

<td><input type="text" name="addr" /></td>

</tr>

<tr>

<td>CONTACT NUMBER</td>

<td><input type="text" name="phno" /></td>

</tr>

<tr>

<td>LOGINID</td>

<td><input type="text" name="id" /></td>

</tr>

<tr>

<td>PASSWORD</td>

<td><input type="password" name="pswd" /></td>

</tr>

</table>

<br /><br /><div align="center">

Roll No. : 18WH1A1252 Date:

<input type="submit" value="ok" onclick="validate()" />&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<input type="reset" value="clear" />

</div>

</form>

</body>

</html>

**loginPage.html**

<! DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title>Login</title>

</head>

<body>

<body bgcolor=#DA1D76 text=black>

<form name="myform" method="post" action="Login1.jsp">

<div align="center"><pre>

LOGIN ID :<input type="text" name="id" /><br />

PASSWORD :<input type="password" name="pswd" /></pre><br /><br />

</div>

<br /><br />

<div align="center">

<input type="submit" value="ok" onclick="validate()" />&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<input type="reset" value="clear" />

</div>

</form>

</body>

</html>

**ProfilePage.html**

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title>User Profile Page</title>

</head>

<body >

<body bgcolor=#BC8F8F text=white>

<form name="myform" method="post" action="Profile.jsp">

<div align="center">

Roll No. : 18WH1A1252 Date:

LOGIN ID :<br/><input type="text" name="id" /><br />

<br /><br />

</div>

<br /><br />

<div align="center">

<input type="submit" value="ok" onclick="validate()" />&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<input type="reset" value="clear" />

</div>

</form>

</body>

</html>

**CatalogPage.html**

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title>Catalog Page</title>

</head>

<body>

<body bgcolor="#b366ff" text=black>

<br /><br /><br />

<form method="post" action="Catalog.jsp">

<div align="center"><pre>

BOOK TITLE :<input type="text" name="title" /><br />

</pre><br /><br />

</div>

<br /><br />

<div align="center">

<input type="submit" value="ok" name="button1"/>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<input type="reset" value="clear" name="button2"/>

</div>

</form>

</body>

</html>

Roll No. : 18WH1A1252 Date:

**OrderPage.html**

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title>User Order Page</title>

</head>

<body>

<body bgcolor=#5AEF8D text=black>

<br /><br />

<form method="post" action="Order1.jsp">

<div align="center">

<table align="center" >

<tr><td>ID </td><td><input type="text" name="id" /></td></tr>

<tr><td>PASSWORD</td><td><input type="password" name="pswd" /></td></tr>

<tr><td>TITLE </td><td><input type="text" name="title" /></td>

<tr><td>NO. OF BOOKS</td><td><input type="text" name="no" /></td></tr>

<tr><td>DATE</td><td><input type="text" name="date" /></td></tr>

<tr><td>CREDIT CARD NUMBER </td><td><input type="password" name="cno" /></td></tr>

</table>

</div>

<br /><br />

<div align="center">

<input type="submit" value="ok" name="button1"/>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<input type="reset" value="clear" name="button2"/>

</div>

</form>

</body>

</html>

Roll No. : 18WH1A1252 Date:

**Registration1.jsp**

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

<%@**taglib** uri = "http://java.sun.com/jsp/jstl/core" prefix = "c"%>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">tml>

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">

<title>Registration</title>

</head>

<body bgcolor="#ffc733">

<%@**page** import="java.sql.\*"%>

<%@**page** import="java.io.\*"%>

<%

String name = request.getParameter("name");

String address = request.getParameter("addr");

String phno = request.getParameter("phno");

String id = request.getParameter("id");

String pswd1 = request.getParameter("pswd");

try {

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

try {

Connection con = (Connection) DriverManager.getConnection("jdbc:mysql://localhost:3306/shoppingcart", "root", "root");

Statement stmt = con.createStatement();

out.println("Connected");

ResultSet rs = stmt.executeQuery("select \* from RegistrationDetails");

int flag = 0;

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while(rs.next())

{

if(id.equals(rs.getString("id")) && pswd1.equals(rs.getString("pswd")))

{

flag += 1;

}

}

if(flag == 1)

{

out.println("ALREADY EXITS TRY AGAIN WITH NEW ID<br><br>");

out.println("<a href=\"registrationPage.html\">press REGISTER to RETRY</a>");

}

else

{

Statement stmt1=con.createStatement();

out.println("Connected");

stmt1.executeUpdate("insert into RegistrationDetails values('"+name+"','"+address+"','"+phno+"','"+id+"','"+pswd1+"')");

out.println("<br><br>YOUR DETAILS ARE ENTERED<br><br>");

}

out.println("<a href=\"loginPage.html\"> LOGIN </a>");

}catch (SQLException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

} catch (ClassNotFoundException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

%></body></html>

Roll No. : 18WH1A1252 Date:

**Login1.jsp**

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

<%@**taglib** uri = "http://java.sun.com/jsp/jstl/core" prefix = "c"%>

<!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>login</title>

</head>

<body>

<body bgcolor=#DA1D76 text=white>

<%@**page** import="java.sql.\*"%>

<%@**page** import="java.io.\*"%>

<%

String id = request.getParameter("id");

String pswd = request.getParameter("pswd");

try {

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

try {

Connection con = (Connection) DriverManager.getConnection("jdbc:mysql://localhost:3306/shoppingcart", "root", "root");

Statement stmt = con.createStatement();

ResultSet rs = stmt.executeQuery("select \* from RegistrationDetails");

int flag = 0;

while(rs.next())

{

if(id.equals(rs.getString("id")) && pswd.equals(rs.getString("pswd")))

{

flag += 1;

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}

}

if(flag == 0)

{

out.println("<br><br> SORRY INVALID ID OR PASSWORD <br><br>");

out.println("<a href=\"loginPage.html\">press LOGIN to RETRY</a>");

}

else

{

out.println("Welcome" + " " + id);

out.println("<br><br>VALID LOGIN ID<br><br>");

out.println("<li><a href=\"ProfilePage.html\"><fontcolor=\"black\" > USER PROFILE </font></a></li><br><br>");

out.println("<li><a href=\"CatalogPage.html\"><fontcolor=\"black\"> BOOKS CATALOG</font></a></li><br><br>");

out.println("<li><a href=\"OrderPage.html\"><fontcolor=\"black\"> ORDER CONFIRMATION</font></a></li></ul><br><br>");

}

out.println("</body></html>");

} catch (SQLException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

} catch (ClassNotFoundException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

%>

</body>

</html>

Roll No. : 18WH1A1252 Date:

**Profile.jsp**

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

<%@**taglib** uri = "http://java.sun.com/jsp/jstl/core" prefix = "c"%>

<!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>Profile</title>

</head>

<body>

<body bgcolor=#BC8F8F text=white>

<**center**>

<%@**page** import="java.sql.\*"%>

<%@**page** import="java.io.\*"%>

<%

String id = request.getParameter("id");

try {

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

try {

Connection con = (Connection) DriverManager.getConnection("jdbc:mysql://localhost:3306/shoppingcart", "root", "root");

Statement stmt = con.createStatement();

out.println("Connected");

ResultSet rs=stmt.executeQuery("select \* from RegistrationDetails where id = '" + id + "'");

int flag=0;

out.println("<br><br><br>");

while(rs.next())

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{

out.println("<div>");

out.println("NAME :" + rs.getString("name") + "<br>");

out.println("ADDRESS :" + rs.getString("addr") + "<br>");

out.println("PHONE NO :" + rs.getString("phno") + "<br>");

out.println("</div>");

flag = 1;

}

if(flag==0)

{

out.println("<br><br>SORRY INVALID ID TRY AGAIN ID<br><br>");

out.println("<a href=\"ProfilePage.html\">press HERE to RETRY</a>");

}

} catch (SQLException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

} catch (ClassNotFoundException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

%>

</**center**>

</body>

</html>

Roll No. : 18WH1A1252 Date:

**Catalog.jsp**

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

<%@**taglib** uri = "http://java.sun.com/jsp/jstl/core" prefix = "c"%>

<!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>Catalog</title>

</head>

<body>

<body bgcolor=#1D7ADA text=white>

<**center**>

<%@**page** import="java.sql.\*"%>

<%@**page** import="java.io.\*"%>

<%

String title = request.getParameter("title");

out.println(title);

try {

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

try {

Connection con = (Connection) DriverManager.getConnection("jdbc:mysql://localhost:3306/shoppingcart", "root", "root");

Statement stmt = con.createStatement();

out.println("Connected");

ResultSet rs=stmt.executeQuery("select \* from Books where title = '" + title + "'");

int flag=0;

out.println("<br><br><br>");

while(rs.next())

{

out.println("<div>");

out.println("TITLE :" + rs.getString("title") + "<br>");

Roll No. : 18WH1A1252 Date:

out.println("AUTHOR :" + rs.getString("author") + "<br>");

out.println("VERSION :" + rs.getString("version") + "<br>");

out.println("PUBLISHER :" + rs.getString("publisher") + "<br>");

out.println("COST :" + rs.getString("cost") + "<br>");

out.println("</div>");

flag = 1;

}

if(flag==0)

{

out.println("<br><br>SORRY INVALID TITLE TRY AGAIN ID<br><br>");

out.println("<a href=\"CatalogPage.html\">press HERE to RETRY</a>");

}

} catch (SQLException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

} catch (ClassNotFoundException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

%>

</**center**>

</body>

</html>

Roll No. : 18WH1A1252 Date:

**Oder1.jsp**

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

<%@**taglib** uri = "http://java.sun.com/jsp/jstl/core" prefix = "c"%>

<!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>Order</title>

</head>

<body>

<body bgcolor=#5AEF8D text=black>

<**center**>

<%@**page** import="java.sql.\*"%>

<%@**page** import="java.io.\*"%>

<%

int count, amount = 0;

String id = request.getParameter("id");

String pswd1 = request.getParameter("pswd");

String title = request.getParameter("title");

String noofbooks = request.getParameter("no");

String date = request.getParameter("date");

String cno = request.getParameter("cno");

try {

count = Integer.parseInt(noofbooks);

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

try {

Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/shoppingcart?autoReconnect=true&useSSL=false", "root", "root");

Statement stmt = con.createStatement();

//out.println("connected");

ResultSet rs = stmt.executeQuery("select \* from RegistrationDetails");

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int flag = 0;

while(rs.next())

{

if(id.equals(rs.getString("id")) && pswd1.equals(rs.getString("pswd")))

{

flag += 1;

}

}

if(flag == 0)

{

out.println("<br><br> SORRY INVALID ID <br><br>");

out.println("<a href=\"loginPage.html\">press LOGIN to RETRY</a>");

}

else

{

Statement stmt1 = con.createStatement();

//out.println("connected1");

ResultSet rs1=stmt.executeQuery("select cost from Books where title = '" + title + "'");

int flag1 = 0, costofbook;

while(rs1.next())

{

costofbook = Integer.parseInt(rs1.getString("cost"));

amount += count \* costofbook;

flag1 = 1;

}

if(flag1 == 1)

{

out.println("<br><br>AMOUNT: "+ amount +"<br><br><br><br>");

Statement stmt2 = con.createStatement();

//out.println("connected2");

stmt2.executeUpdate("insert into OrderDetails values ('" + id + "','" + pswd1 + "', '" + title + "', '"+ noofbooks +"','" + date + "', '" + cno + "') ");

Roll No. : 18WH1A1252 Date:

out.println("<br><br>YOUR ORDER has been taken<br><br>");

}

else

{

out.println("<br><br><br>SORRY INVALID ID TRY AGAIN ID <br><br> " );

out.println("<a href=\"OrderPage.html\">press Order to RETRY</a>");

}

}

} catch (SQLException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

} catch (ClassNotFoundException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

%>

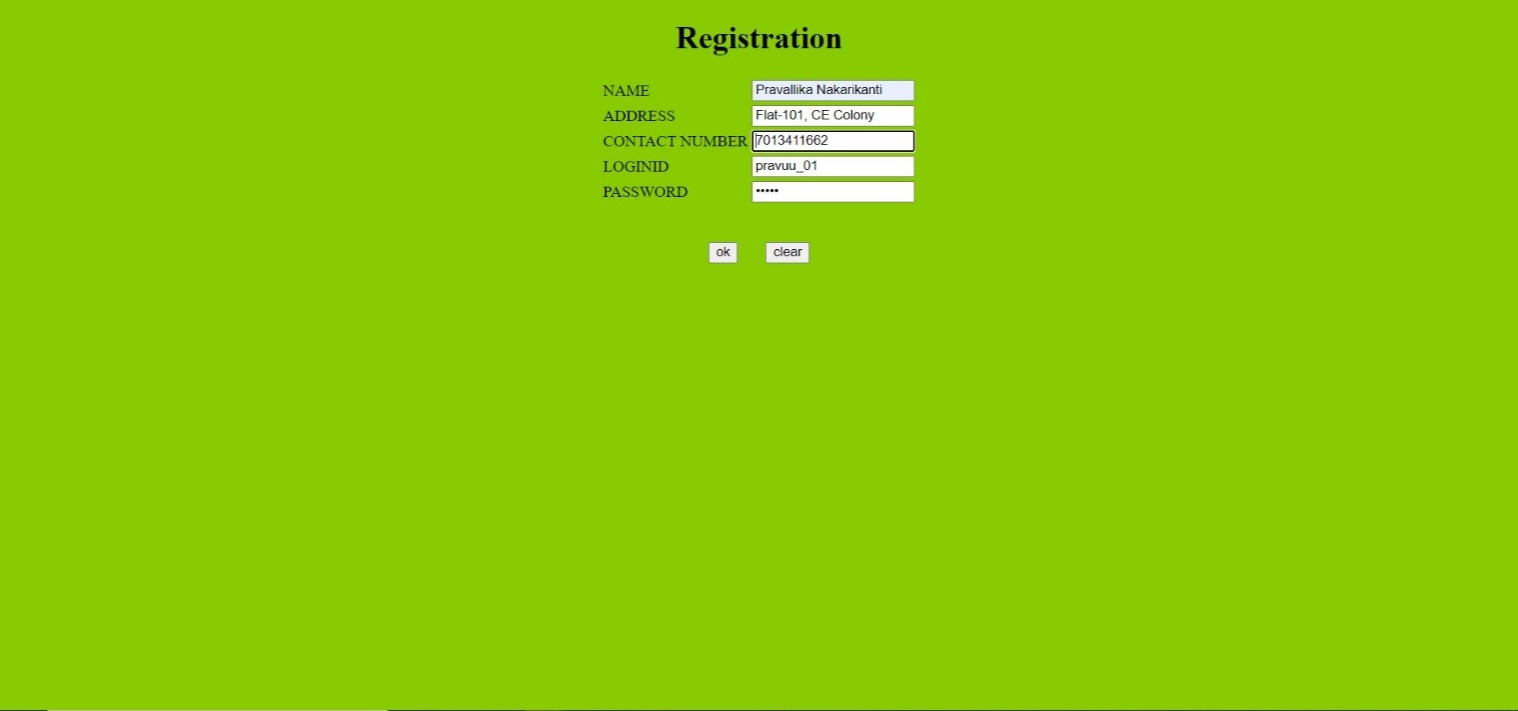
</**center**>

</body>

</html>

Roll No. : 18WH1A1252 Date:

**OUTPUT:**

**Graphical user interface, text, application

Description automatically generated**

Roll No. : 18WH1A1252 Date: 16.01.2020

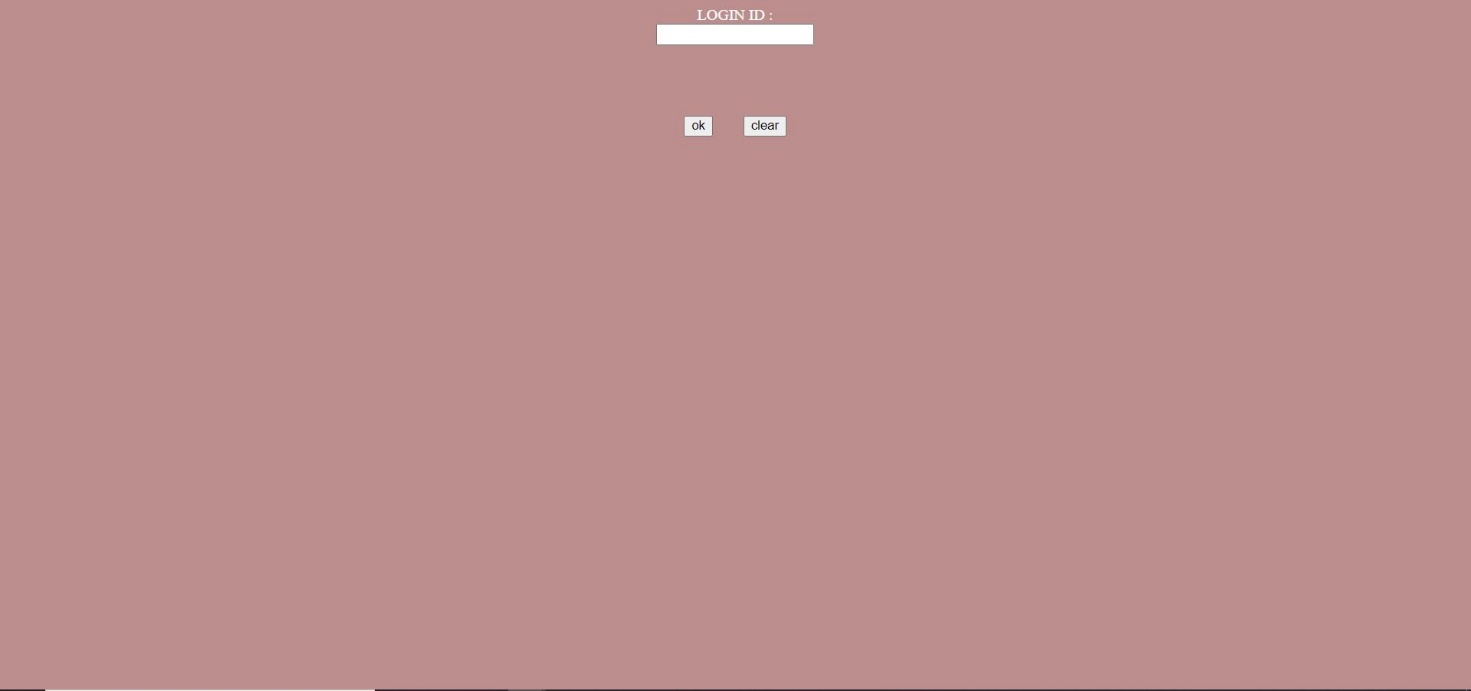
A picture containing graphical user interface

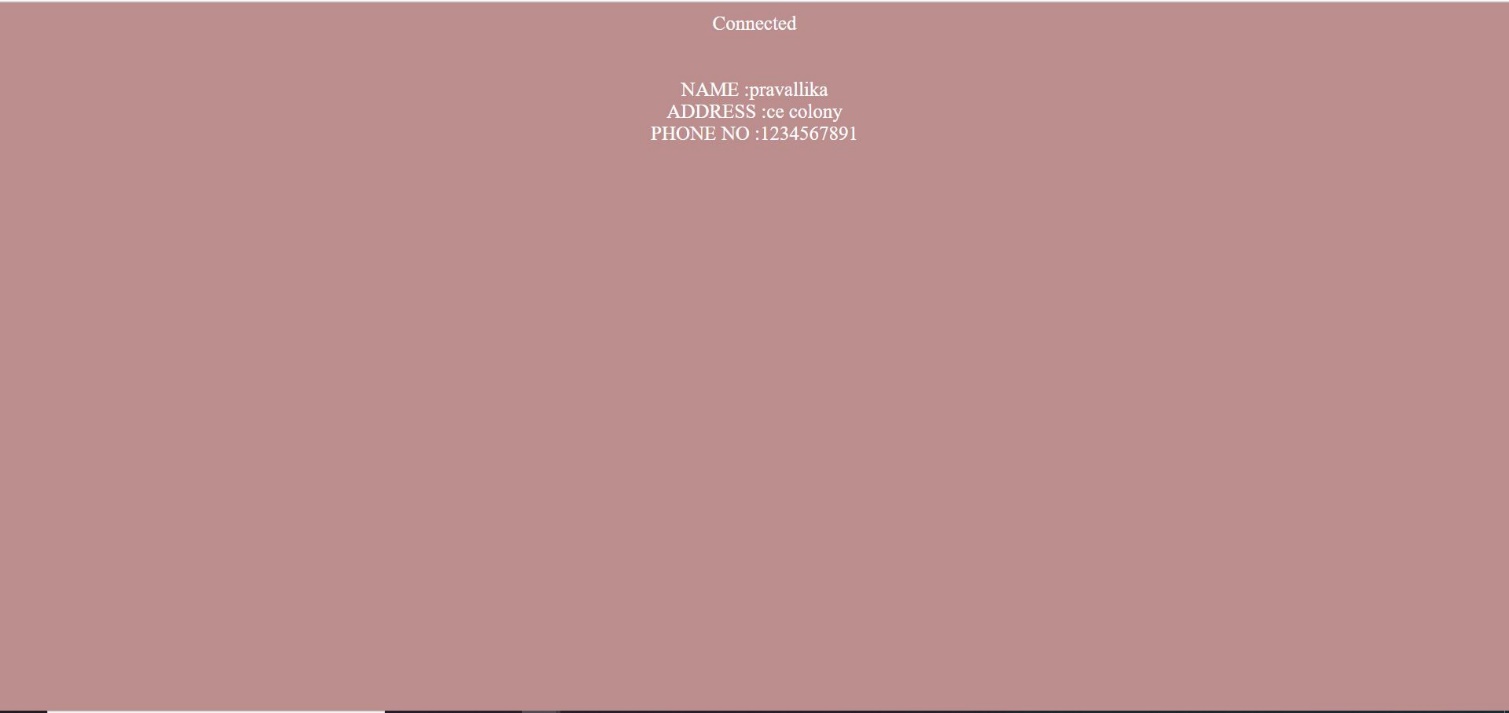
Description automatically generated

Shape, rectangle

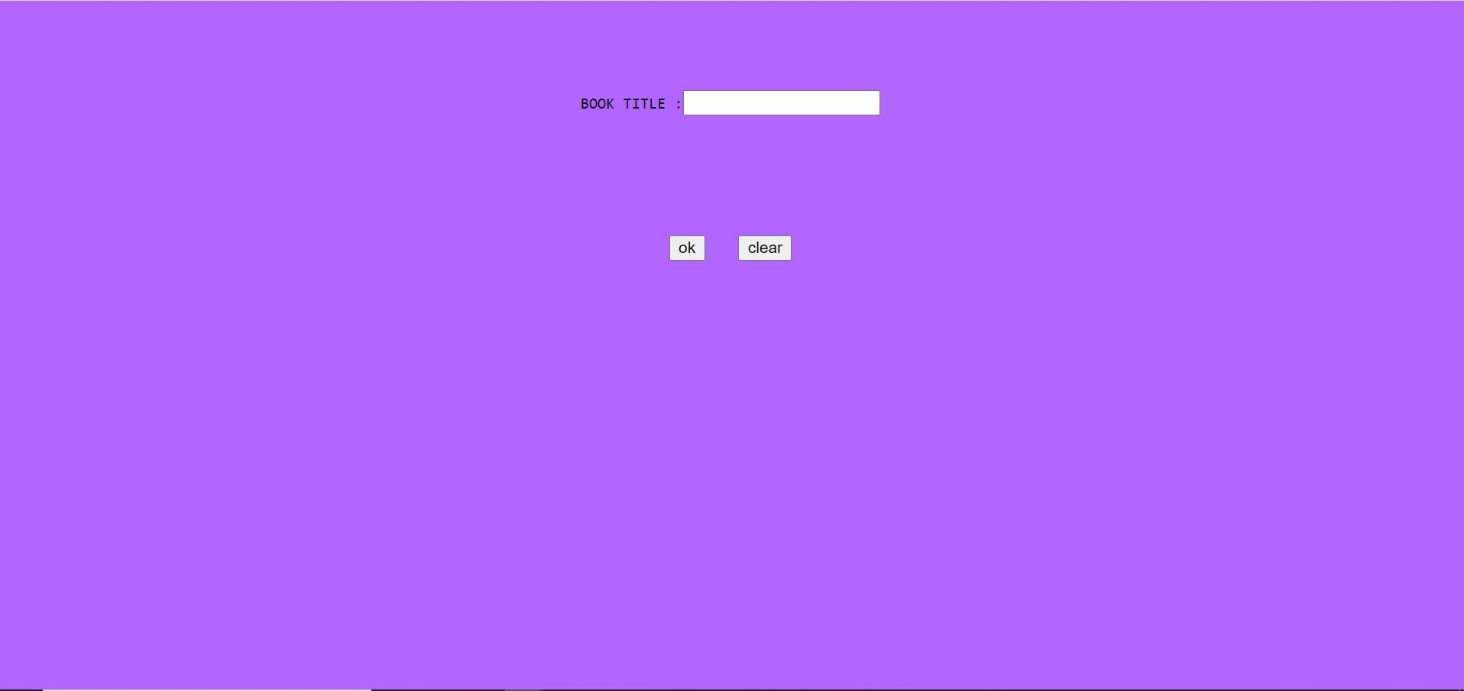
Description automatically generated

Roll No. : 18WH1A1252 Date: 16.01.2020





Roll No. : 18WH1A1252 Date:

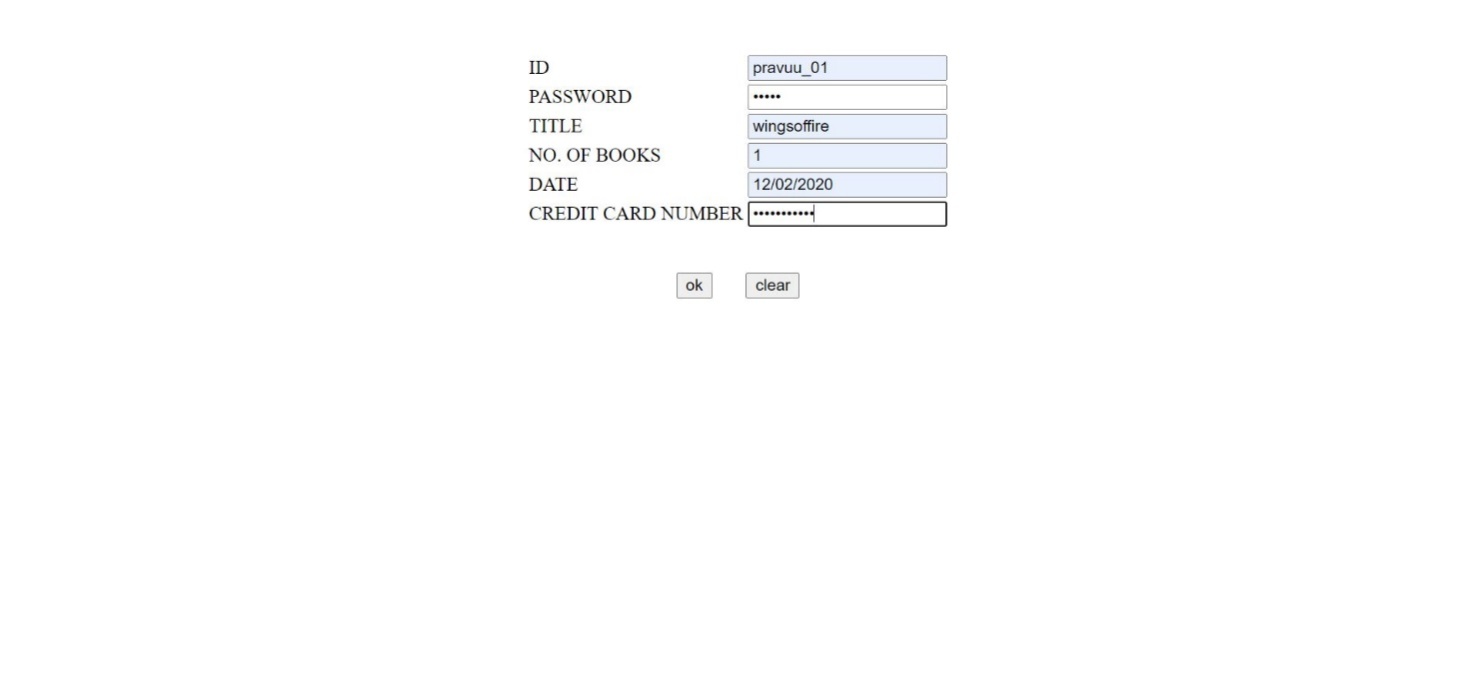


Text

Description automatically generated

Roll No. : 18WH1A1252 Date:

A picture containing text

Description automatically generated

Roll No. : 18WH1A1252 Date:

7)**AIM**: Create and save an XML document on the server, which contains 10 users information. Write a program, which takes User Id as an input and returns the user details by taking the user information from the XML document

**Program**:

**Login.html**

<html>

<head>

<script type="text/javascript">

function ser()

{

var xmldoc=new ActiveXObject("Microsoft.XMLDOM");

xmldoc.load("users.xml");

var id=f1.id.value;

var pass=f1.pass.value;

var x=xmldoc.getElementsByTagName("userid");

var y=xmldoc.getElementsByTagName("password");

for(i=0;i<x.length;i++)

{

if(x[i].childNodes[0].nodeValue==id)

{

if(y[i].childNodes[0].nodeValue==pass)

{

alert("successfull logged");

var ob=window.open("userinfo.html","\_blank");

ob.document.f1.uid.value=x[i].childNodes[0].nodeValue;

xmldoc.load("userinfo.xml");

var x0=xmldoc.getElementsByTagName("userid");

var x1=xmldoc.getElementsByTagName("username");

var x2=xmldoc.getElementsByTagName("qualification");

var x3=xmldoc.getElementsByTagName("job");

var x4=xmldoc.getElementsByTagName("companyname");

var x5=xmldoc.getElementsByTagName("dob");

var x6=xmldoc.getElementsByTagName("street");

var x7=xmldoc.getElementsByTagName("city");

for(var j=0;j<x0.length;j++)

{

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if(x0[j].childNodes[0].nodeValue==id)

{

ob.document.f1.uname.value=x1[j].childNodes[0].nodeValue;

ob.document.f1.qual.value=x2[j].childNodes[0].nodeValue;

ob.document.f1.jn.value=x3[j].childNodes[0].nodeValue;

ob.document.f1.cn.value=x4[j].childNodes[0].nodeValue;

ob.document.f1.dob.value=x5[j].childNodes[0].nodeValue;

ob.document.f1.address.value=x6[j].childN

odes[0].nodeValue+","+x7[j].childNodes[0].nodeValue;

}}}

else alert("incorrect password");

return;

}}

alert("incorrect userid") ;

}</script></head>

<body><form name="f1"><center>

<h1>Login Form</h1>

<br><B>User Id: &nbsp;&nbsp;<input type="text" name="id">

<br><br>Password:</B><input type ="password" name="pass">

<br><br>

<input type="button" value="Submit" onClick="ser()">

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

**Userinfo.html**

<html>

<head><title>User Info</title></head>

<body>

<center>

<h1>User Information</h1>

<form name="f1">

<pre><B>

User Id:&nbsp&nbsp&nbsp<input type="text" name="uid" onblur="fun()"><br>

User Name:&nbsp<input type="text" name="uname"><br>

Qualification:&nbsp<input type="text" name="qual"><br>

Job:&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp<input type="text" name="jn"><br>

Roll No. : 18WH1A1252 Date:

Company:&nbsp&nbsp<input type="text" name="cn"><br>

Date Of Birth:&nbsp<input type="text" name="dob"><br>

Address:&nbsp&nbsp&nbsp<textarea name="address" rows=5 cols=19>

</textarea></B></pre>

</form></center>

</body></html>

**Users.xml**

<?xml version="1.0" encoding="UTF-8"?>

<users><user>

<userid>1</userid>

<password>a</password>

</user>

<user>

<userid>2</userid>

<password>b</password>

</user>

<user>

<userid>3</userid>

<password>c</password>

</user>

<user>

<userid>4</userid>

<password>d</password></user>

<user>

<userid>5</userid>

<password>e</password></user>

<user>

<userid>6</userid>

<password>f</password></user></users>

Roll No. : 18WH1A1252 Date:

**Userinfo.xml**

<?xml version="1.0" encoding="UTF-8"?>

<userinfo>

<user>

<userid>1</userid>

<username>abc</username>

<qualification>def</qualification>

<job>ghi</job>

<companyname>jkl</companyname>

<dob>may06,88</dob>

<address>

<street>mno</street>

<city>pqr</city>

</address>

</user>

<user>

<userid>2</userid>

<username>def</username>

<qualification>ghi</qualification>

<job>jkl</job>

<companyname>mno</companyname>

<dob>june24,88</dob>

<address>

<street>pqr</street>

<city>stu</city>

</address>

</user>

<user>

<userid>3</userid>

<username>ghi</username>

<qualification>jkl</qualification>

<job>mno</job>

<companyname>pqr</companyname>

<dob>may07,86</dob>

<address>

<street>stu</street>

<city>vwx</city>

Roll No. : 18WH1A1252 Date:

</address>

</user>

<user>

<userid>4</userid>

<username>jkl</username>

<qualification>mno</qualification>

<job>pqr</job>

<companyname>stu</companyname>

<dob>sep6,88</dob>

<address>

<street>vwx</street>

<city>yz</city>

</address>

</user>

<user>

<userid>5</userid>

<username>mno</username>

<qualification>pqr</qualification>

<job>stu</job>

<companyname>vwx</companyname>

<dob>aug23,87</dob>

<address>

<street>yz</street>

<city>abc</city>

</address>

</user>

<user>

<userid>6</userid>

<username>pqr</username>

<qualification>stu</qualification>

<job>vwx</job>

<companyname>yz</companyname>

<dob>oct22,88</dob>

<address>

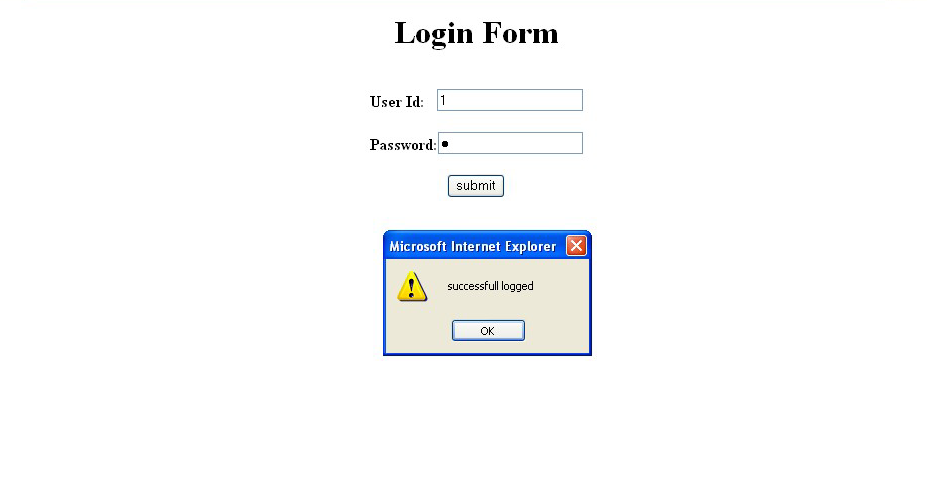
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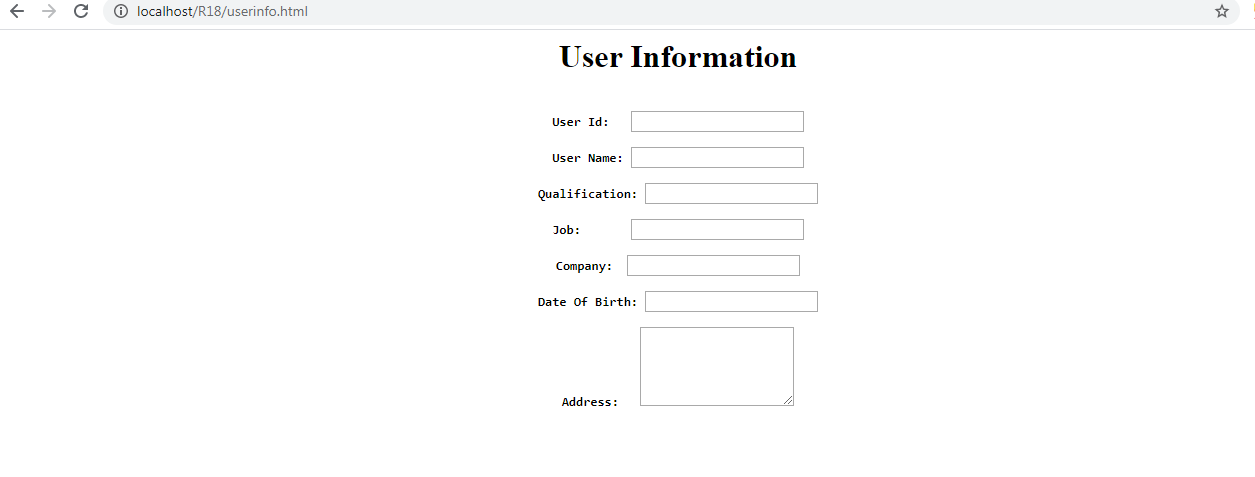
</address></user></userinfo>

Roll No. : 18WH1A1252 Date:

**OUTPUT:**



**User information page**



Roll No. : 18WH1A1252 Date: 16.01.2020

Roll No. : 18WH1A1252 Date: 16.01.2020