

Roll No.: 18WH1A1237

Date:

**1.Aim:** Write a PHP script to print prime numbers between 1-50.

**Program:**

```
<?php
$number = 1 ;
while ($number < 50 ) {
    $count=0;
    for ($i = 1; $i <= $number; $i++) {
        if (($number % $i) == 0) {
            $count++;
        }
    }
    if ($count < 3) {
        echo $number." , ";
    } $number = $number + 1;
}
?>
```

**Output:**

2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47

**2.Aim:** PHP script to

- a. Find the length of a string.
- b. Count no of words in a string.
- c. Reverse a string.
- d. Search for a specific string.

**Program:**

1.

```
<?php
$str = "welcome";
echo strlen($str);
?>
```

**Output:** 7

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2. `<?php  
echo str_word_count("Welcome to WT Lab");  
?>`

**Output:** 4

3. `<?php  
echo strrev("hello");  
?>`

**Output:** olleh

4. `<?php  
if (strpos('A b c d', 'b')) {  
 echo "Checking the existence of the empty string will always return true";  
}  
?>`

**Output:** Checking the existence of the empty string will always return true

**3.Aim:** Write a PHP script to merge two arrays and sort them as numbers, in descending order.

**Program:**

```
<?php  
$a1 = array(1, 12, 30);  
  
$a2 = array(4, 53, 64);  
  
$sorted = array_merge($a1, $a2);  
  
//rsort($sorted);  
array_multisort($sorted, SORT_DESC, SORT_NUMERIC);  
  
print_r($sorted);  
?>
```

**Output:** Array(  
[0] => 64  
[1] => 53  
[2] => 30  
[3] => 12  
[4] => 4  
[5] => 1  
)

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**4.Aim:** Write a PHP script that reads data from one file and write into another file.

**Program:**

```
$myFile = "sampleFile.txt";  
$myFileLink = fopen($myFile, 'r');  
$myFileContents = fread($myFileLink, filesize($myFile));  
fclose($myFileLink);  
echo "myFileContents is". $myFileContents;  
$myFile2 = "sampleFile2.txt";  
$myFileLink2 = fopen($myFile2, 'w+') or die("Can't open file.");  
$mynewFileContents = fwrite($myFileLink2, $myFileContents);  
fclose($myFileLink2);  
echo "mynewFileContents is". $mynewFileContents;
```

**5.AIM:** Develop static pages (using Only HTML) of an online book store. The pages should resemble: [www.amazon.com](http://www.amazon.com). The website should consists the following pages.

- a) Home page
- b) Registration and user Login
- c) User Profile Page
- d) Books catalog
- e) Shopping Cart
- f) Payment By credit card
- g) Order Conformation

**Program:**

- a) **Home page**

**Main.html**

```
<html>  
<head>  
<style>  
.container {  
position: relative;  
}
```

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```
.topleft {
position: absolute;
top: 8px;
left: 16px;
font-size: 18px;
}
img {
width: 100%;
height: 450px;
opacity: 1;
}
</style>
</head>
<body bgcolor="cyan">
<!DOCTYPE html>
<center>
<strong>
<h1>Welcome to AMAZON</h1>
</strong>
<form method="post" action="login.html" target=_blank>
<h4>for books</h4><input type="submit" value="click here">
</form>
</center>
<div class="container">

<div class="topleft">
</div>
</div>
</body>
</html>
```

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**b) Login &Registration page**

Login page

```
<html>

<head>
  <title>
    login</title>
</head>

<body bgcolor="cyan">
  <center>
    <strong>
      <h1> AMAZON LOGIN</h1>
    </strong></center>
  <right>
    <table align="center">
      <tr>
        <td>
          <h4>user name
        </td>
        <td><input type="text"></td>
        <td></td>
      </tr>
      <tr>
        <td>
          <h4>password
        </td>
        <td><input type="password"></td>
        <td></td>
      </tr>
      <tr>
        <td>
          <form method="post" action="catalog.html">
            <input type="submit" value="submit">
          </form>
        </td>
        <td>
          <form method="post" action="reg.html">
            <input type="submit" value="register">
          </form>
        </td>
      </tr>
    </table>
  </tr>
</tr>
```

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

### **Registration page**

```
<html>
<head>
  <title>
    login page</title>
</head>

<body bgcolor="cyan">
  <center><strong>
    <h1> AMAZON REGISTER</h1>
  </strong></center>
  <form method="post" action="catalog.html">
    <right>
      <table align="center">
        <tr>
          <td>
            <h4>User name
          </td>
          <td><input type="text"></td>
        <tr>
          <td>
            <h4>Password
          </td>
          <td><input type="password"></td>
        </tr>
        <tr>
          <td>
            <h4>Confirm password
          </td>
          <td><input type="password"></td>
        </tr>
        <td>
          <p>Please select your gender:</p>
        </td>
        <td>
          <input type="radio" id="male" name="gender" value="male">
          <label for="male">Male</label><br>
```

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```
<input type="radio" id="female" name="gender" value="female">
  <label for="female">Female</label><br>
  <input type="radio" id="other" name="gender" value="other">
  <label for="other">Other</label>
</td>
<tr>
  <td>Address</td>
  <td><textarea name="address" rows=5 cols=19>
</textarea>
  </td>
<tr>
  <td>
    <input type="submit" value="submit"></td>
    <td>
      <input type="reset" value="reset"></td>
  </tr>
</form>
</body>
</html>
```

### **c) User Profile Page**

```
<html>
<head>
  <title>
    userprofile</title>
</head>
<body bgcolor="cyan">
  <center>
    <strong>
      <h1>Welcome to AMAZON Online Book Store </h1>
    </strong></center>
  Edit your profile here...
  <form method="post" action="catalog.html">
    <right>
      <table align="left">
        <tr>
          <td>
            <h4>Edit user name
          </td>
          <td><input type="text"></td>
        <tr>
```

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```
<tr>  
    <td>  
        <h4>Edit password  
    </td>  
    <td><input type="password"></td>  
</tr>  
<tr>  
    <option>  
        <td>  
            <h4>male &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~  
                <input type="radio" name="sex" id="male">  
            </td>  
            <td>  
                <h4>female &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~  
                    <input type="radio" name="sex" id="female">  
                </td>  
            </option>  
        </tr>  
        <tr>  
            <td>Edit Address</td>  
            <td><textarea name="address" rows=5 cols=19>  
</textarea>  
        </td>  
    </tr>  
    <td>  
        <input type="submit" value="submit"></td>  
    </tr>  
</form>  
</body>  
</html>
```

#### d) Book Catalog

```
<html>
<head>
  <title>
    books catalog</title>
</head>
<body bgcolor="cyan">
  <center>
    <h1>AMAZON</h1>
  </center>
```



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```
<form method="post" action="shopping.html">
  <left>
    <table>
      <tr>
        <td><b>
          <h3>frontend books</td>
        <td></td>
      </tr>
      <tr>
        <td></td>
        <td>
          <h4>html<br>
            

          </td>
        <td></td><td></td><td></td><td></td>
        <td></td><td></td><td></td><td></td><td></td>
        <td>
          <h4>Ads<br>
            
          </td>
        <td></td><td></td><td></td><td></td><td></td>
        <td></td><td></td><td></td><td></td><td></td>
        <td>
          <h4>JAVA<br>
            
          </td>
      </tr>
      <tr>
        <td><b>
          <h3>backend books</td>
        <td></td>
      </tr>
      <tr>
        <td></td>
        <td>
          <h4>Oracle<br>
            
          </td>
        <td></td><td></td><td></td><td></td><td></td>
        <td></td><td></td><td></td><td></td><td></td>
        <td>
      </tr>
```

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```
<h4>Mysql<br>
  
</td>
<td></td><td></td><td></td><td></td>

<td></td><td></td><td></td><td></td>
<td>
  <h4>SQL<br>
  
</td>
</tr>
</table>
</h4>
<center>
  <b>for buy one of these books
  <br>
  </b><input type="submit" value="click here">
</center>
</form>
</body>
</html>
```

**e) Shopping Cart**

```
<html>

<head>
  <title>shopping cart</title>
</head>

<body bgcolor="cyan">
  <center>
    <h1>
      Shopping Cart</h1>
    </center>
    <br><br><br><br><br>
    <table align="center">
      <tr>
        <td>Text Books</td>
        <td>
          <select>
            <optgroup label="select the book">
```

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```
<option value="html">html
<option value="Ads">Ads
<option value="Java">Java
<option value="Oracle">Oracle
<option value="SQL">SQL
<option value="MySql">MySql
</optgroup>
</select>
</td>
</tr>
<tr>
<td>
Quantity</td>
<td>
<input type="text" id="q">
</td>
</tr>
<tr>
<td></td>
<td>
<form method=post action="payment.html">
<input type="submit" value=ok />
</form>
</td>
</tr>
</table>
<center>
<pre>Cost of one book is"500" + shipping "100"</pre>
</center>
<body>
</html>
```

**f) Payment by Credit Card**

```
<html>
<head>
<title>payment</title>
</head>
<body bgcolor="cyan">
<center>
<h1>Payment By Credit Card</h1>
</center>
```

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```
<form method=post action="ordrconform.html">
  <br><br><br><br><br>
  <table align="center">
    <tr>
      <td>
        <h4>Total Amount</h4>
      </td>
      <td><input type="text">
      </td>
    </tr>
    <tr>
      <td>
        <h4>Credit Card Number
      </td>
      <td><input type="text"></td>
    </tr>
    <tr>
      <td>
      </td>
      <td><input type="submit" value=OK>
      </td>
    </tr>
  </table>
</form>
</body>
</html>
```

**g) Order Conformation**

```
<html>
<head>
  <title>payment</title>
</head>
<body bgcolor="cyan">
  <center>
    <h1>Payment By Credit Card</h1>
  </center>
  <form method=post action="ordrconform.html">
    <br><br><br><br><br>
    <table align="center">
      <tr>
```

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```
<td>
  <h4>Total Amount</h4>
</td>
<td><input type="text">
</td>
</tr>
<tr>
  <td>
    <h4>Credit Card Number
  </td>
  <td><input type="text"></td>
</tr>
<tr>
  <td>
  </td>
  <td><input type="submit" value=OK>
  </td>
</tr>
</table></form>
</body></html>
```

**OUTPUT:**

a) Home Page



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b) Login Page



c) Registration Page



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d) User Profile Page

## Welcome to AMAZON Online Book Store

Edit your profile here...

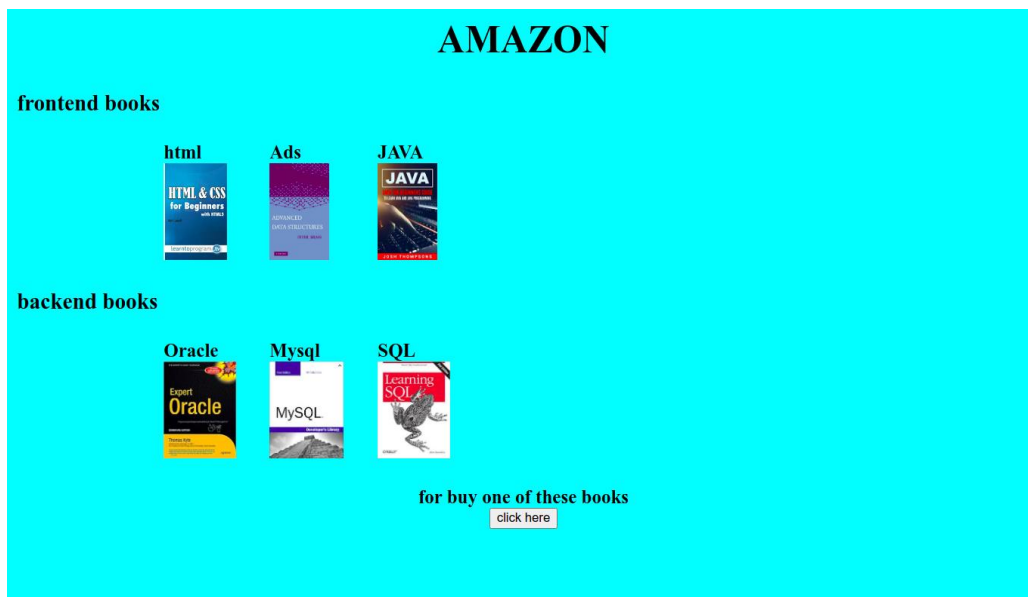
**Edit user name**

**Edit password**

**male** ☐ **female** ☐

**Edit Address**

e) Book Catalogue



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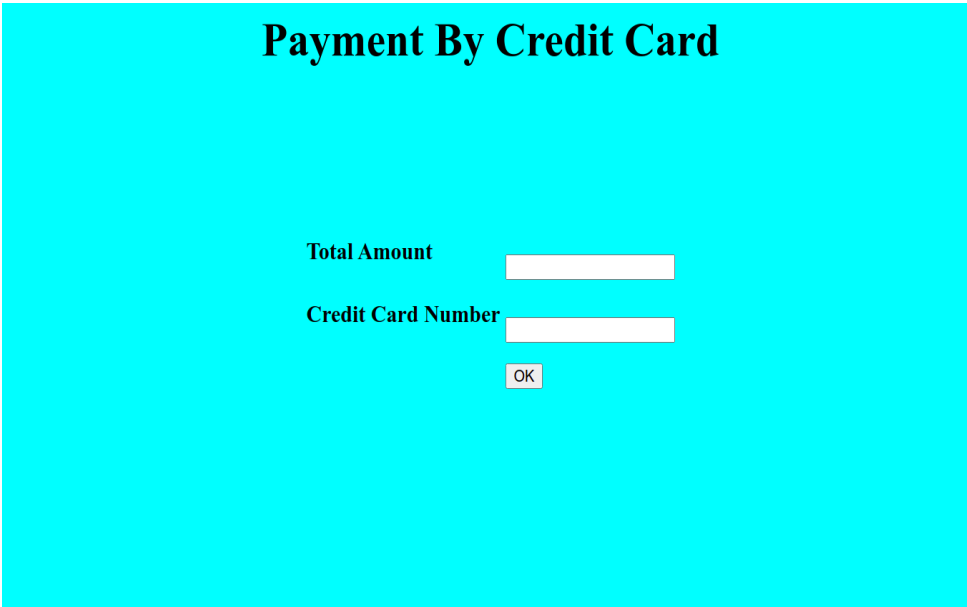
Date:

f) Shopping Cart



The screenshot shows a web page titled "Shopping Cart" in a large, bold, black font. Below the title, there is a form with two labels: "Text Books" and "Quantity". The "Text Books" label is followed by a dropdown menu showing "html" with a downward arrow. The "Quantity" label is followed by a text input field. Below these fields is a small "ok" button. At the bottom of the form, there is a text message: "Cost of one book is"500" + shipping "100".

g) Payment Page



The screenshot shows a web page titled "Payment By Credit Card" in a large, bold, black font. Below the title, there is a form with two labels: "Total Amount" and "Credit Card Number". The "Total Amount" label is followed by a text input field. The "Credit Card Number" label is followed by a text input field. Below these fields is a small "OK" button.



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### **Home.html**

```
<html>
<head>
<SCRIPT LANGUAGE="JAVASCRIPT">
function essentials_of_validation(form1)
{
  var return_value=true;
  var username=form1.txtusername.value;
  var password1=form1.txtpassword1.value;
  var password2=form1.txtpassword2.value;
  if(username.length < 8)
  {
    return_value=false;
    window.alert("user name less thn 8 chars");
  }
  if(password1.length<6)
  {
    return_value=false;
    window.alert(" pwd should be > 6 char's ");
    form1.txtpassword1.value="";
    form1.txtpassword2.value="";
  }
  if(password1!=password2)
  {
    return_value=false;
    window.alert("ur password mismatched ");
    form1.txtpassword1.value="";
    form1.txtpassword2.value="";
  }
  return return_value;
}
</script>
</head>
<body bgcolor="skyblue">
<marquee><b><u><font face="comic sans ms" color="light blue">login
here</font></u></b></marquee>
<form name="form1" onSubmit="essentials_of_validation(this)">
Username <input type="text" name="txtusername" size=20>
<br>Password: <input type="password" name="txtpassword1" size=20>
<br>Confirm password:<input type="password" name="txtpassword2" size=20>
<br><br>
<input type="submit" value="submit">
```

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```
<input type="reset" value="reset">
</form>
</body>
</html>
```

### **CreditCard.html**

```
<html>
<head><title>
payment</title>
<SCRIPT LANGUAGE="JAVASCRIPT">
function essentials_of_validation(form1) {
var current=new Date();
var return_value=true;
var username=form1.txtusername.value;
var password1=form1.txtpassword1.value;
var a=form1.dd.value;
var b=form1.mm.value;
var c=form1.yyyy.value;
if(isNaN(username)) {
window.alert("Not a valid account number");
}
if(a<32 && b<13&& c>=current.getFullYear()) {
if(c>current.getFullYear()) {
window.alert(" you are validated");
}
else if(c=current.getFullYear()) {
if(b>current.getMonth()) {
window.alert(" you are validated");
}
else if(b=current.getMonth()) {
if(a>current.getDate()) {
window.alert("you are validated");
}
}
}
else {
window.alert("Your card has expired");
}
}
else{
window.alert(" card has expired");
```

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```
}  
}  
</script>  
</head>  
<body bgcolor="pink">  
<marquee><strong>Enjoy the Shopping with special Offers</strong></marquee>  
<form name="form1" onSubmit="essentials_of_validation(this)">  
<font size="+2">  
Payment Through  
<br>  
<input name="pay" type="radio" >Credit card  
<input name="pay" type="radio" >Debit card  
<br><br>  
Bank  
<select name="bank">  
<option selected>sbi  
<option>HSBC  
<option>ICICI  
<option>others  
</select>  
<br><br>  
Account/Card number:  
<input name="txtusername" type="text">  
<br>  
Net banking id/Password<input name="txtpassword1" type="password">  
<br>  
Enter date of expiryof account/card<input name="dd" type="text" size=2>(dd)  
<input name="mm" type="text" size=2>(mm)  
<input name="yyyy" type="text" size=4>(yyyy)  
<br>  
<input type="submit" value="Accept">  
<input type="reset" value="Reject">  
</form>  
<A Href="e:\cs540\online.html">Home</A>  
<br><A Href="e:\cs540\shop.html">back</A>  
</body>  
</html>
```

### **Register.html**

```
<html>  
<head><title>
```

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```
register</title>
<SCRIPT LANGUAGE="JAVASCRIPT">
function essentials_of_validation(form1)
{
var return_value=true;
var username1=form1.txtusername1.value;
var username2=form1.txtusername2.value;
var password1=form1.txtpassword1.value;
var password2=form1.txtpassword2.value;
if(username1.length < 8)
{
return_value=false;
window.alert("user name less than 8 chars");
}
if(username1==username2){
return_value=false;
window.alert("both ids are same");
form1.txtusername2.value="";
}
if(password1.length<6)
{
return_value=false;
window.alert(" pwd should be > 6 char's ");
form1.txtpassword1.value="";
form1.txtpassword2.value="";
}
if(password1!=password2)
{
return_value=false;
window.alert("ur password mismatched ");
form1.txtpassword1.value="";
form1.txtpassword2.value="";
}
return return_value;
}
</script>
</head>
<body BGCOLOR="Gray">
<CENTER><u>
BVRIT HYDERABAD College of Engineering for Women
<marquee><font name="mistral" size="+1">REGISTRATION
```

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```
FORM</font></marquee>
</u></center>
<form name="form1" onSubmit="essentials_of_validation(this)">
Name:<input name="name" type="text" size="10">
<br><br>
Age:<input type="text" size="3">
<br><br>
Sex:
<input name="gen" type="radio" value="male">male
<input name="gen" type="radio" value="female">female
<br><br>
Address:<textarea name="address" rows="3" cols="3"></textarea>
<br><br>
Enter e-mail id u want :<sup>*</sup>
<input type="text" name="txtusername1" size="15">
<br><br>
Password:<sup>*</sup>
<input type="Password" name="txtpassword1" size="15">(password should exceed
6 characters)
<br><br>
Confirm password:<input type="password" name="txtpassword2" size=20>
<br><br>
<input type="submit" value="submit ">
<input type="reset" value="clear ur entries">
</form>
<font size="+1">
<A Href="E:\cs540\online.html">Home</A>
<A Href="E:\cs540\user.html">Login</A>
</font>
</body>
</html>
```

**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");
```

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```
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++)
{
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].childNodes[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>
```

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```
<br><B>User Id: &nbsp;&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;&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;&nbsp;&nbsp;&nbsp;<input type="text" name="jn"><br>
Company:&nbsp;&nbsp;&nbsp;<input type="text" name="cn"><br>
Date Of Birth:&nbsp;<input type="text" name="dob"><br>
Address:&nbsp;&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>
```



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```
<user>
<userid>5</userid>
<password>e</password> </user>
<user>
<userid>6</userid>
<password>f</password> </user> </users>
```

### **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>
```

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```
<address>
<street>stu</street>
<city>vwx</city>
</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>
<street>abc</street>
<city>def</city>
</address> </user> </userinfo>
```

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**Output:**  
**User information page**

The screenshot shows a web browser window with the address bar displaying 'localhost/R18/userinfo.html'. The page contains two main sections: 'User Information' and 'Login Form'. The 'User Information' section has input fields for User Id, User Name, Qualification, Job, Company, Date Of Birth, and Address. The 'Login Form' section has input fields for User Id (containing '1') and Password, a 'submit' button, and a success message dialog box that says 'successfull logged' with an 'OK' button.

**Aim:** Install TOMCAT web server. Convert the static web pages of assignments 2 into dynamic web pages using servlets and cookies. Hint: Users information (user id, password, credit card number) would be stored in web.xml. Each user should have a separate Shopping Cart.

**Program:**

**Main.html**

```
<!DOCTYPEhtml>
<html>
<head>
<metacharset="UTF-8">
```

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```
<title>Main Shopping Cart Page</title>
</head>
<body bgcolor="yellow">
<br/><br/><br/><br/><br/>
<h1 style="color:red;" align="center"><U> ONLINE BOOK STORAGE </U></h1><br/><br/><br/>
<h2 align="center">
<pre>
<b>Welcome to online book storage. <br><br>
Press LOGIN if you are having id otherwise press REGISTRATION
</b>
</pre>
</h2>
<br/><br/>
<pre>
<div align="center">
<astyle="color:red; font size:15px;" href="LoginPage.html">LOGIN</a>
<astyle="color:red; font-size:15px;" href="RegistrationPage.html"> REGISTRATION</a></div>
</pre>
</body>
</html>
```

### **Registration.html**

```
<!DOCTYPEhtml>
<html>
<head>
<metacharset="UTF-8">
<title>Shopping Cart Registration Page</title>
</head>
<body bgcolor="#FFC">
<formname="myform">
<h1 style="margin-top: 60px;" align="center"> Registration </h1>
method="post" action="Registration1
<table align="center">
<tr>
<td></td>
<td><input style="margin-top: 70px; font-size: 18pt; height: 40px;
width:280px;" placeholder="NAME" type="text" name="name"/></td>
</tr>
<tr>
<td></td>
```

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```
<td><inputstyle="font-size: 18pt; height: 40px;  
width:280px;"placeholder="ADDRESS"type="text"name="addr"/></td>  
</tr>  
<tr>  
<td></td>  
  
<td><inputstyle="font-size: 18pt; height: 40px; width:280px;"placeholder="CONTACT  
NUMBER"type="text"name="phno"/></td>  
</tr>  
<tr>  
<td></td>  
  
<td><inputstyle="font-size: 18pt; height: 40px; width:280px;"placeholder="LOGIN  
ID"type="text"name="id"/></td>  
</tr>  
<tr>  
<td></td>  
  
<td><inputstyle="font-size: 18pt; height: 40px;  
width:280px;"placeholder="PASSWORD"type="password"name="pswd"/></td>  
</tr>  
</table>  
<br/><br/><divalign="center">  
<inputstyle="font-size: 18pt;height: 40px;  
width:80px;"type="submit"value="ok"onclick="validate()"/>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~  
<p><inputstyle="font-size: 18pt;height: 40px; width:80px;"type="reset"value="clear"/>  
</div>  
</form>  
</body>  
</html>
```

## Login.html

```
<DOCTYPEhtml>
<html>
<meta charset="UTF-8">
<title>Login Page</title>
</head>
<body bgcolor="pink">
<form name="myform" method="post" action="login">
<h1 style="margin-top: 30px;" align="center">Welcome to Login Page</h1>
<div align="center"><pre>
<input style="margin-top: 150px; font-size: 18pt; height: 40px; width:280px;" placeholder="LOGIN
ID" type="text" name="id" /><br />
```

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```
<input style="font-size: 18pt; height: 40px; width:280px;" placeholder="password" type="password"  
name="pswd" /></pre><br /><br />  
</div>  
  
<br /><br />  
<div align="center">  
<input style="font-size: 18pt;height: 40px; width:80px;"type="submit" value="ok"  
onclick="validate()" />&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~  
<input style="font-size: 18pt;height: 40px; width:80px;" type="reset" value="clear" />  
</div>  
</form>  
</body>  
</html>
```

## Order.html

```
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>User Order Page</title>
</head>
<body bgcolor="#4dffff">
<br /><br />
<h1 style="margin-top: 60px;" align = "center">Please Place your Order</h1>
<form method="post" action="Order">
<div align="center">
<table align="center">
<tr><td></td><td><input style="margin-top: 70px; font-size: 18pt; height: 40px; width:280px;"
placeholder="LOGIN ID" type="text" name="id" /></td></tr>
<tr><td></td><td><input style="font-size: 18pt; height: 40px; width:280px;"
placeholder="PASSWORD" type="password" name="pswd" /></td></tr>
<tr><td></td><td><input style="font-size: 18pt; height: 40px; width:280px;" placeholder="TITLE"
type="text" name="title" /></td>
<tr><td></td><td><input style="font-size: 18pt; height: 40px; width:280px;" placeholder="NO OF
BOOKS" type="text" name="no" /></td></tr>
<tr><td></td><td><input style="font-size: 18pt; height: 40px; width:280px;" placeholder="DATE"
type="text" name="date" /></td></tr>
<tr><td></td><td><input style="font-size: 18pt; height: 40px; width:280px;" placeholder="CREDIT
CARD NUMBER" type="password" name="cno" /></td></tr>
</table>
</div>
<br /><br />
```

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```
<div align="center">
<input style="font-size: 18pt;height: 40px; width:80px;" type="submit" value="ok"
name="button1"/>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<input style="font-size: 18pt;height:
40px; width:80px;" type="reset" value="clear" name="button2"/>
</div>
</form>
</body>
</html>
```

## Profile.html

```
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>User Profile Page</title>
</head>
<body bgcolor="yellow">
<form name="myform" method="post" action="Profile">
<div align="center"><pre>
<input style="margin-top: 150px; font-size: 18pt; height: 40px; width:280px;" placeholder="LOGIN ID" type="text" name="id" /><br />
</pre><br /><br />
</div>
<br /><br />
<div align="center">
<input style="font-size: 18pt;height: 40px; width:80px;" type="submit" value="ok"
onclick="validate()" />&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~
<input style="font-size: 18pt;height: 40px; width:80px;" type="reset" value="clear" />
</div>
</form>
</body>
</html>
```

## Catalog.html

```
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
```

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```
<title>Catalog Page</title>  
</head>  
<body bgcolor = "#ffcc66">  
  <br /><br /><br />  
  <form method="post" action="Catalog">  
    <div align="center"><pre>  
      <input style="margin-top: 150px; font-size: 18pt; height: 40px; width:280px;" placeholder="BOOK  
TITLE" type="text" name="title" /><br />  
    </pre><br /><br />  
    </div>  
    <br /><br />  
    <div align="center">  
      <input style="font-size: 18pt;height: 40px; width:80px;" type="submit" value="ok"  
name="button1"/>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~  
      <input style="font-size: 18pt;height: 40px; width:80px;" type="reset" value="clear"  
name="button2"/>  
    </div>  
  </form>  
</body>  
</html>
```

## Registration1.java

```
package com.servlet;
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
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("/Registration1")
public class Registration1 extends HttpServlet {
    private static final long serialVersionUID = 1L;
    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
```



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```
PrintWriter out = response.getWriter();
out.println("<html><body>");
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 = DriverManager.getConnection("jdbc:mysql://localhost:3306/shoppingcart", "root", "divya");
        System.out.println("Connection Established");
        Statement stmt = con.createStatement();

        //out.println("Connected");

        ResultSets = stmt.executeQuery("select * from RegistrationDetails");

        int flag = 0;
        while(rs.next()) {
            if(id.equals(rs.getString("id"))&&pswd1.equals(rs.getString("pswd"))) {
                flag += 1;
            }
        }

        if(flag == 1) {
            out.println("ALREADY EXISTS 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><h2>YOUR DETAILS ARE ENTERED </h2><br><br>");
        }
    }
}
```

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```
        }

        } catch (SQLException e) {
            // TODO Auto-generated catch block
            e.printStackTrace();
        }

    } catch (ClassNotFoundException e) {
        // TODO Auto-generated catch block
        e.printStackTrace();
    }
    out.println("<a href=\"LoginPage.html\"> LOGIN </a>");
    out.println("</body></html>");
}
}
```

### **Login.java**

```
package com.servlet;

import java.io.IOException;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
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("/login")
public class login extends HttpServlet {
    private static final long serialVersionUID = 1L;
    public login() {
        super();
        // TODO Auto-generated constructor stub
    }
}
```

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```
protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
    PrintWriter out = response.getWriter();
    out.println("<html><body>");
    String id = request.getParameter("id");
    String pswd = request.getParameter("pswd");

    try {
        Class.forName("com.mysql.jdbc.Driver");
        try {
            Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/shoppingcart", "root", "divya");
            Statement stmt = con.createStatement();
            ResultSets = stmt.executeQuery("select * from RegistrationDetails");
            int flag = 0;
            while(rs.next())
            {
                if(id.equals(rs.getString("id"))
                &&pswd.equals(rs.getString("pswd")))
                {
                    flag += 1;
                }
            }

            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("<h3><ul>");
                out.println("<li><a href=\"Profile.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>");
            }
        }
    }
}
```

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```
        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();
    }

}

}
```

### **Profile.java**

```
package com.servlet;

import java.io.IOException;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
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("/Profile")
public class Profile extends HttpServlet {
    private static final long serialVersionUID = 1L;
```

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```
protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
    PrintWriter out = response.getWriter();
    out.println("<html><body>");
    String id = request.getParameter("id");

    try {
        Class.forName("com.mysql.jdbc.Driver");
        try {
            Connection con = (Connection)
DriverManager.getConnection("jdbc:mysql://localhost:3306/shoppingcart", "root", "divya");
            Statement stmt = con.createStatement();
            //out.println("Connected");
            ResultSets=stmt.executeQuery("select * from RegistrationDetails where
id = '" + id + "'");

            int flag=0;
            out.println("<br><br><br>");
            while(rs.next())

                {
                    out.println("<div align=\"left\">");

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) {
```

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```
                // TODO Auto-generated catch block
                e.printStackTrace();
            }
            out.println("</body></html>");
        }
    }
}
```

### **Order.java**

```
package com.servlet;

import java.io.IOException;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
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("/Order")
public class Order extends HttpServlet {
    private static final long serialVersionUID = 1L;

    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        PrintWriter out = response.getWriter();
        out.println("<html><body>");
        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");
    }
}
```

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```
try {
    count = Integer.parseInt(noofbooks);
    Class.forName("com.mysql.jdbc.Driver");
    try {
        Connection con = (Connection)
DriverManager.getConnection("jdbc:mysql://localhost:3306/shoppingcart", "root", "divya");
        Statement stmt = con.createStatement();

        //out.println("connected");

        ResultSets = stmt.executeQuery("select * from RegistrationDetails");

        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;
            }
        }
    }
}
```

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```
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 + "') ");
    out.println("<br><br><h2>YOUR ORDER has
taken</h2><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();
}
}
out.println("</body></html>");
}
}
```

### **Catalog.java**

```
package com.servlet;

import java.io.IOException;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
```



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```
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("/Catalog")
public class Catalog extends HttpServlet {
    private static final long serialVersionUID = 1L;
    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        PrintWriter out = response.getWriter();
        out.println("<html><body>");
        String title = request.getParameter("title");
        out.println(title);

        try {
            Class.forName("com.mysql.jdbc.Driver");
            try {
                Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/shoppingcart", "root", "divya");
                Statement stmt = con.createStatement();

                //out.println("Connected");

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

                int flag=0;
                out.println("<br><br><br>");
                while(rs.next()) {
                    out.println("<div align='left'>");
                    out.println("TITLE : " + rs.getString("title") + "<br>");
                    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) {
```

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

### **Web.xml**

```
<?xml version="1.0" encoding="UTF-8"?>  
<element>  
<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
xmlns="http://java.sun.com/xml/ns/javaee" xsi:schemaLocation="http://java.sun.com/xml/ns/javaee  
http://java.sun.com/xml/ns/javaee/web-app_3_0.xsd" id="WebApp_ID" version="3.0">  
<display-name>ECommerce</display-name>  
<servlet>  
<servlet-name>loginservlet</servlet-name>  
<servlet-class>login</servlet-class>  
</servlet>  
<servlet-mapping>  
<servlet-name>loginservlet</servlet-name>  
<url-pattern>/login</url-pattern>  
</servlet-mapping>  
<servlet>  
<servlet-name>Registration1</servlet-name>  
<servlet-class>Registration1</servlet-class>  
</servlet>  
<servlet-mapping>  
<servlet-name>Registration1</servlet-name>  
<url-pattern>/Registration1</url-pattern>  
</servlet-mapping>
```

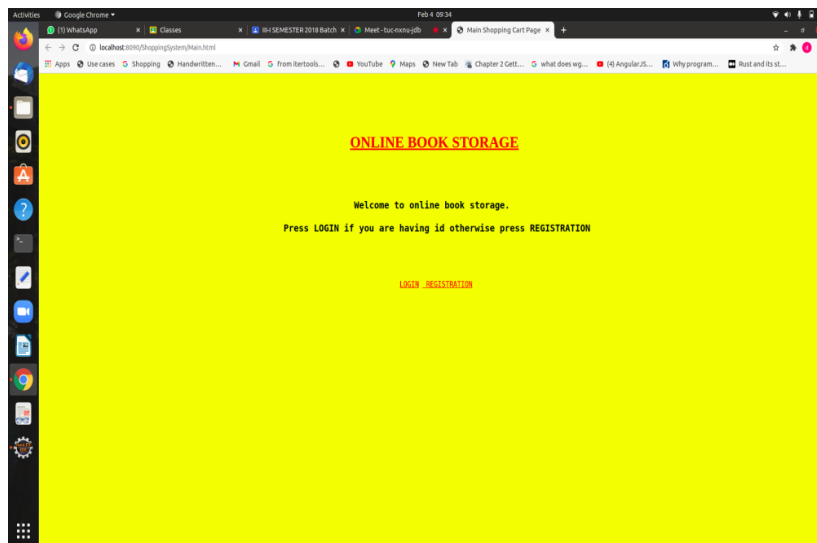
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```
<servlet>
<servlet-name>Profile1</servlet-name>
<servlet-class>Profile</servlet-class>
</servlet>
<servlet-mapping>
<servlet-name>Profile1</servlet-name>
<url-pattern>/Profile</url-pattern>
</servlet-mapping>
<servlet>
<servlet-name>Order1</servlet-name>
<servlet-class>Order</servlet-class>
</servlet>
<servlet-mapping>
<servlet-name>Order1</servlet-name>
<url-pattern>/Order</url-pattern>
</servlet-mapping>
</web-app>
</element>
```

## **Outputs:**

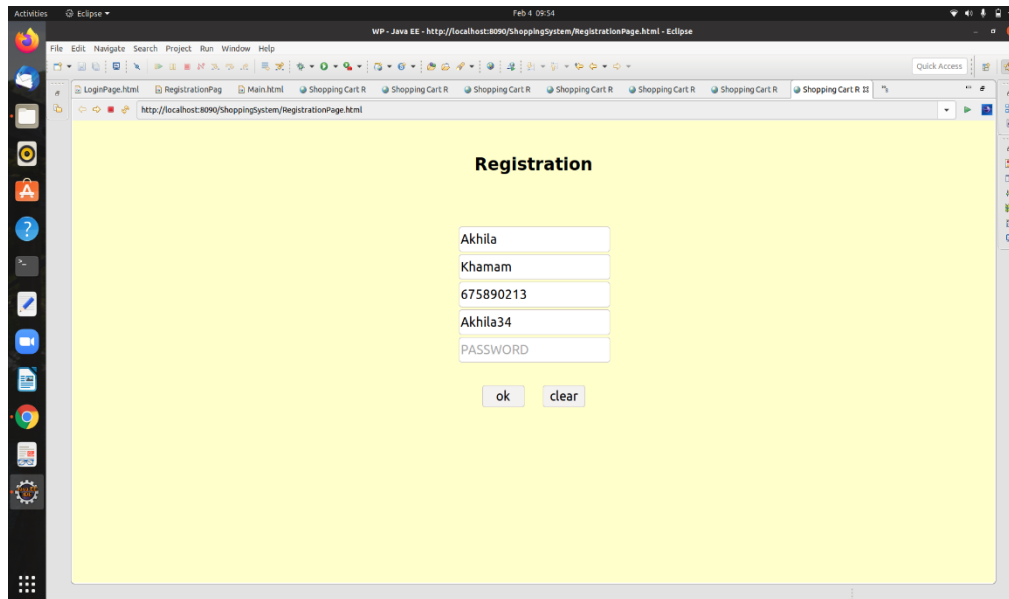
### **Main.html**



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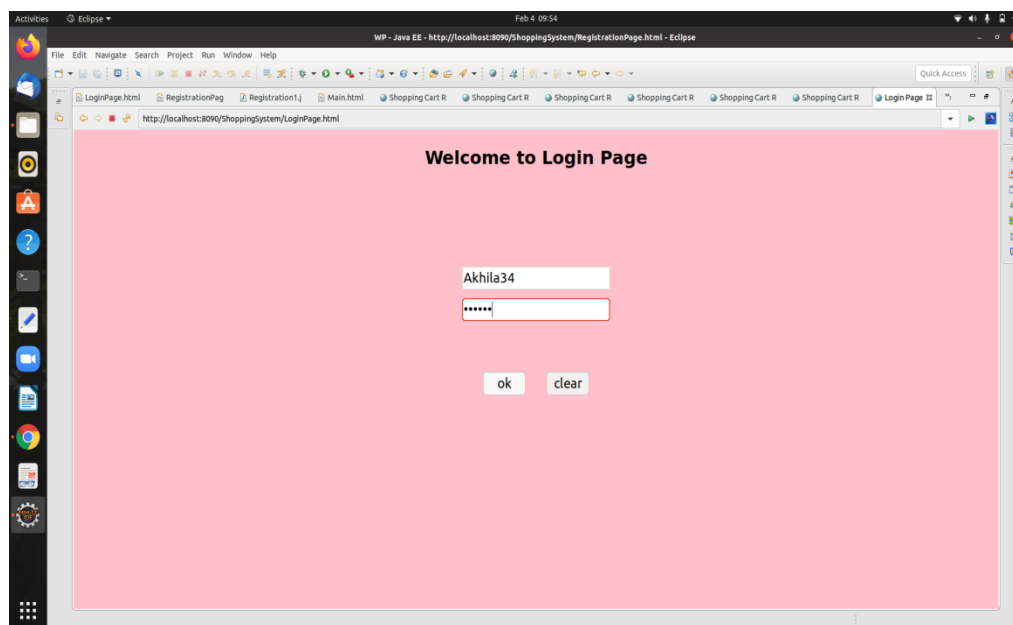
Date:

## **Registration.html**



The screenshot shows a web browser window displaying the 'Registration.html' page. The page has a yellow background and a title 'Registration'. It contains a form with five input fields: 'Akhila', 'Khamam', '675890213', 'Akhila34', and 'PASSWORD'. Below the fields are two buttons: 'ok' and 'clear'. The browser's address bar shows the URL 'http://localhost:8090/shoppingSystem/RegistrationPage.html'. The Eclipse IDE interface is visible in the background.

## **Login.html**

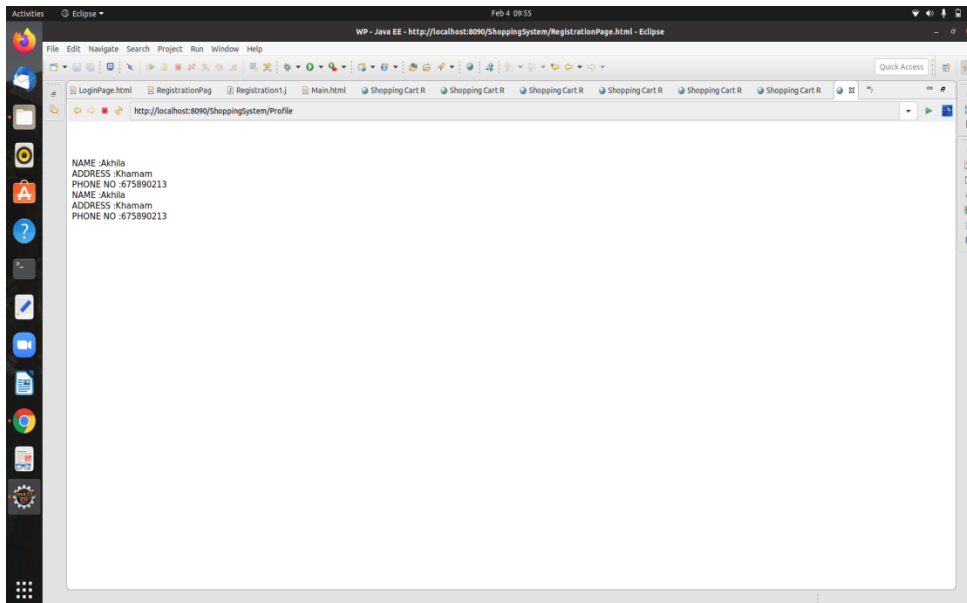
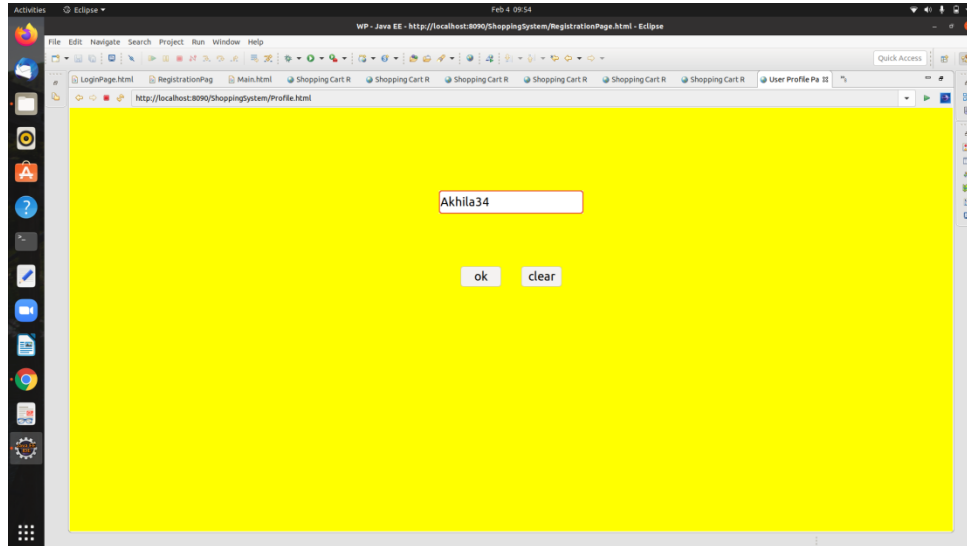


The screenshot shows a web browser window displaying the 'Login.html' page. The page has a pink background and a title 'Welcome to Login Page'. It contains a form with two input fields: 'Akhila34' and a password field represented by asterisks. Below the fields are two buttons: 'ok' and 'clear'. The browser's address bar shows the URL 'http://localhost:8090/shoppingSystem/LoginPage.html'. The Eclipse IDE interface is visible in the background.

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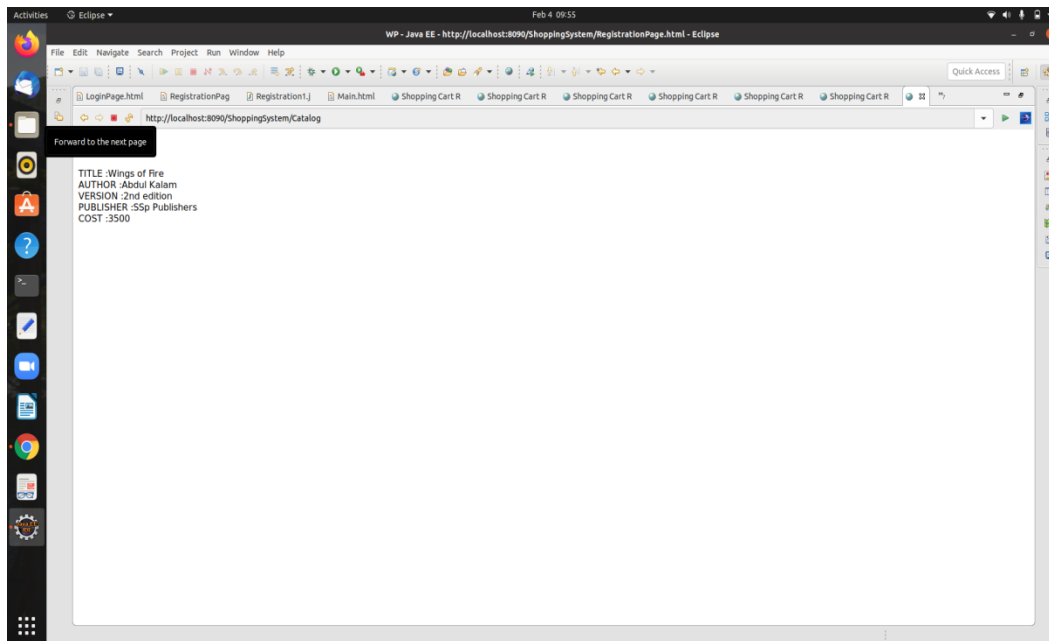
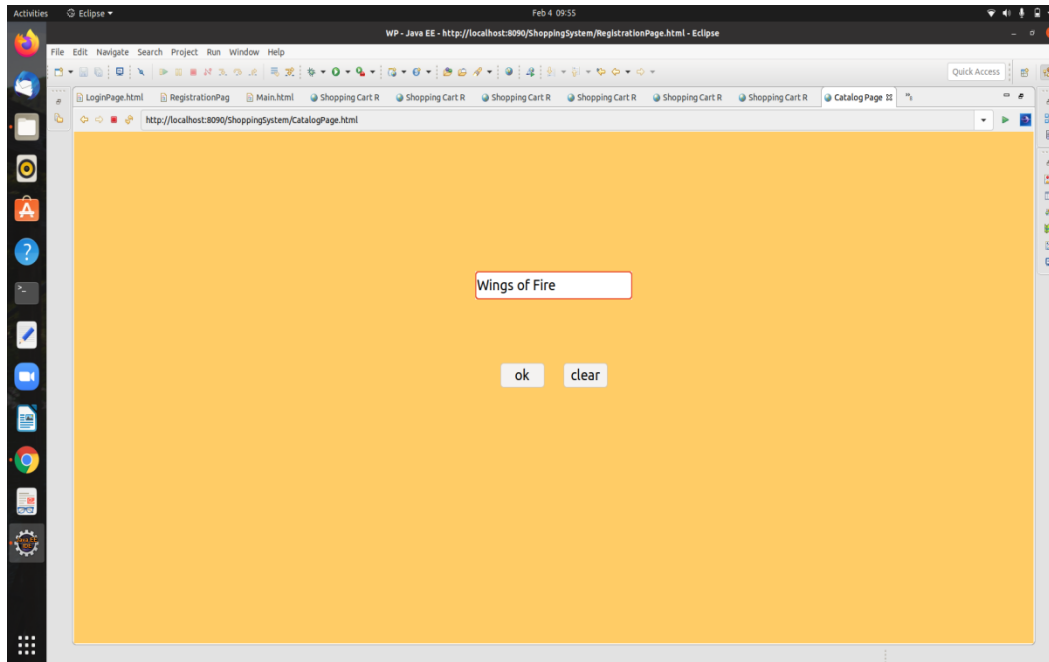
## **Profile.html**



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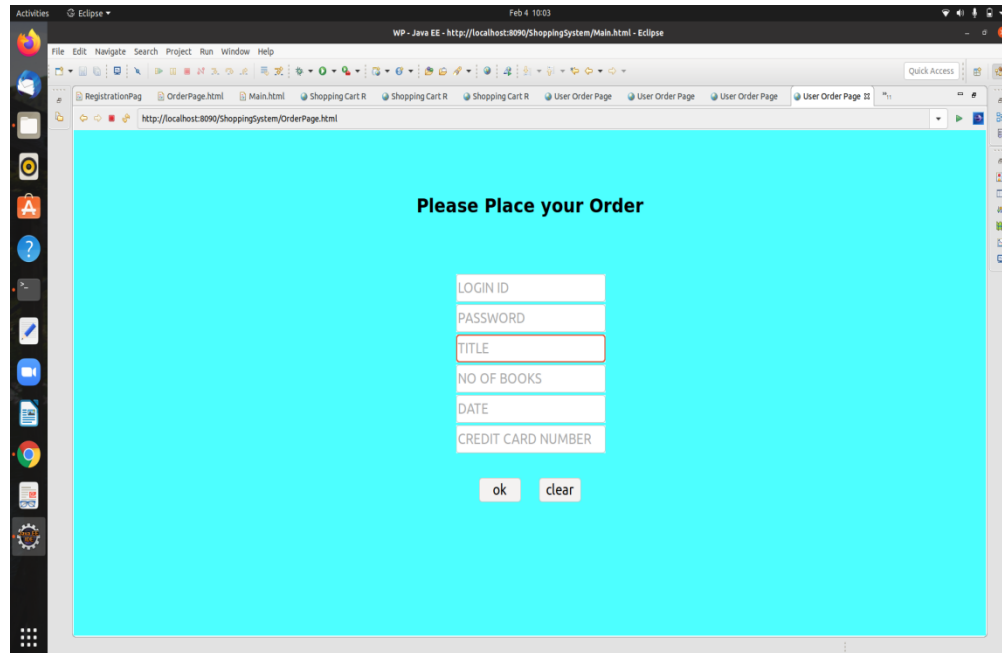
## CatalogPage.html



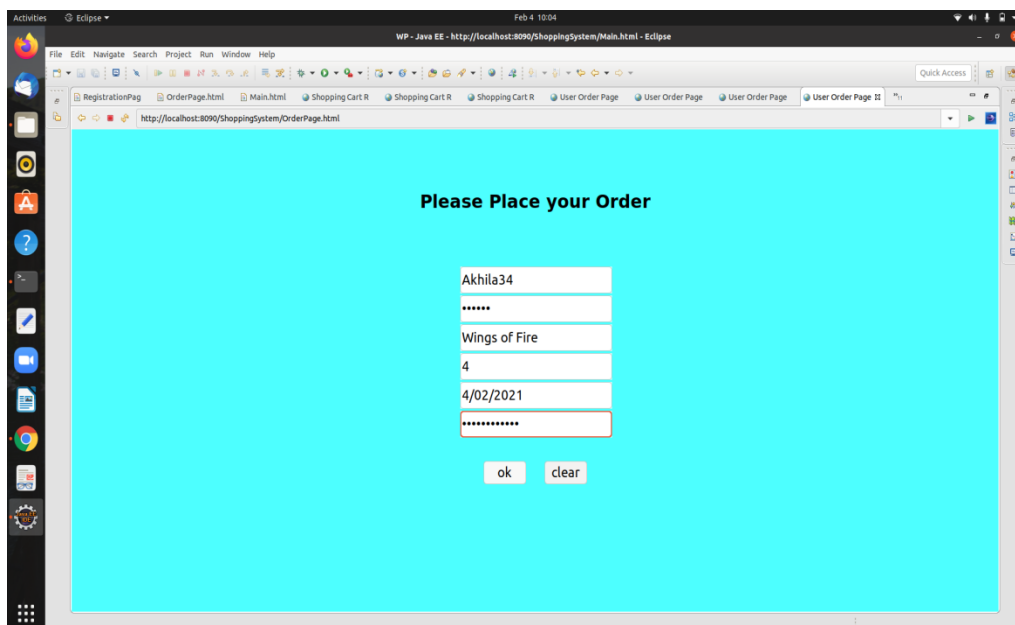
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## Order.html



The screenshot shows a web browser window displaying the 'Order.html' form. The form has a light blue background and a title 'Please Place your Order'. It contains several input fields: 'LOGIN ID', 'PASSWORD', 'TITLE', 'NO OF BOOKS', 'DATE', and 'CREDIT CARD NUMBER'. Below these fields are two buttons: 'ok' and 'clear'. The browser's address bar shows the URL 'http://localhost:8090/ShoppingSystem/OrderPage.html'.



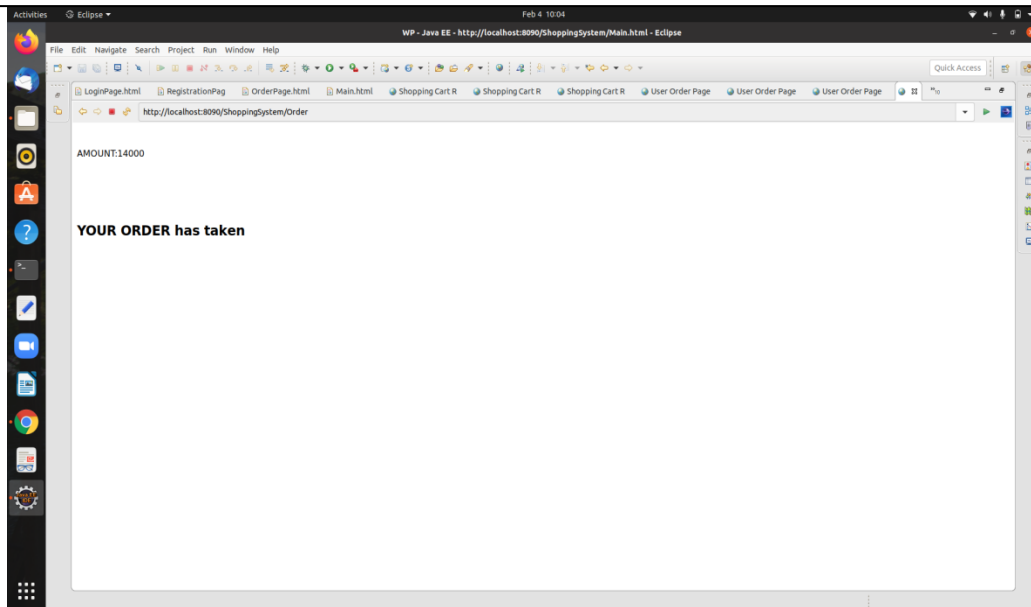
The screenshot shows the same 'Order.html' form, but with sample data entered into the input fields. The data is as follows:

Field	Value
LOGIN ID	Akhila34
PASSWORD	*****
TITLE	Wings of Fire
NO OF BOOKS	4
DATE	4/02/2021
CREDIT CARD NUMBER	*****

The 'ok' and 'clear' buttons are still present at the bottom of the form.

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**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>
```



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

### **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">
```

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[illegible]

**loginPage.html**

[illegible]

## 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">
```

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[illegible]

## 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;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~
<input type="reset" value="clear" name="button2"/>
</div>
</form>
</body>
</html>
```

# OrderPage.html

```
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>User Order Page</title>
```

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[illegible]

## 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");
```

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```
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;

        while(rs.next())
        {
            if(id.equals(rs.getString("id")) && pswd1.equals(rs.getString("pswd")))
            {
                flag += 1;
            }
        }

        if(flag == 1)
        {
            out.println("ALREADY EXISTS 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>");
        }
    }
}
```

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```
        }

        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>
```

### **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();
```

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```
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;
        }
}

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>
```

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### **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()){
            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>");
```



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```
        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>
```

### **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");
```

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```
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>");
            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>
```

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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");

                int flag = 0;
                while(rs.next())
                {
                    if(id.equals(rs.getString("id")) && pswd1.equals(rs.getString("pswd"))){
```

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Date:

```
        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 + "') ");
        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>");
    }
}
```

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```
    }  
    } catch (SQLException e) {  
        // TODO Auto-generated catch block  
        e.printStackTrace();  
    }  
    } catch (ClassNotFoundException e) {  
        // TODO Auto-generated catch block  
        e.printStackTrace();  
    }  
}
```

%>

</center>

</body>

</html>

### **OUTPUT:**

#### **ONLINE BOOK STORAGE**

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

[LOGIN](#) [REGISTRATION](#)

Roll No.: 18WH1A1237

Date:

### Registration

NAME   
ADDRESS   
CONTACT NUMBER   
LOGINID   
PASSWORD

LOGIN ID   
PASSWORD

Roll No.: 18WH1A1237

Date:

Welcome pravuu\_01

VALID LOGIN ID

- [USER PROFILE](#)
- [BOOKS CATALOG](#)
- [ORDER CONFIRMATION](#)

LOGIN ID :

ok

clear

Roll No.: 18WH1A1237

Date:

BOOK TITLE :

wingsofire Connected

TITLE :wingsofire  
AUTHOR :apjabdulkalam  
VERSION :1  
PUBLISHER :goyal  
COST :123



Roll No.: 18WH1A1237

Date:

ID	pravuu_01
PASSWORD	*****
TITLE	wingsoffire
NO. OF BOOKS	1
DATE	12/02/2020
CREDIT CARD NUMBER	*****

ok

clear

AMOUNT: 123

YOUR ORDER has been taken