

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING



WEB TECHNOLOGIES LAB MANUAL

Subject Code : **CS506PC**

Regulation :

R18/JNTUHAcademic Year :

2020-2021

III B. TECH I SEMESTER

COMPUTER SCIENCE AND ENGINEERING
KG REDDY COLLEGE OF ENGINEERING AND TECHNOLOGY

Affiliated to JNTUH, Chilkur,(V), Moinabad(M) R. R Dist, TS-501504

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VISION AND MISSION OF THE INSTITUTION

VISION

To become self-sustainable institution this is recognized for its new age engineering through innovative teaching and learning culture, inculcating research and entrepreneurial ecosystem, and sustainable social impact in the community.

MISSION

- To offer undergraduate and post-graduate programs that is supported through industry relevant curriculum and innovative teaching and learning processes that would help students succeed in their professional careers.
- To provide necessary support structures for students, this will contribute to their personal and professional growth and enable them to become leaders in their respective fields.
- To provide faculty and students with an ecosystem that fosters research and development through strategic partnerships with government organisations and collaboration with industries.
- To contribute to the development of the region by using our technological expertise to work with nearby communities and support them in their social and economic growth.

VISION AND MISSION OF CSE DEPARTMENT

VISION

To be recognized as a department of excellence by stimulating a learning environment in which students and faculty will thrive and grow to achieve their professional, institutional and societal goals.

MISSION

- To provide high quality technical education to students that will enable life-long learning and build expertise in advanced technologies in Computer Science and Engineering.
- To promote research and development by providing opportunities to solve complex engineering problems in collaboration with industry and government agencies.
- To encourage professional development of students that will inculcate ethical values and leadership skills while working with the community to address societal issues.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PROGRAM EDUCATIONAL OBJECTIVES (PEOS):

A graduate of the Computer Science and Engineering Program should:

PEO1	Program Educational Objective1: (PEO1) The Graduates will provide solutions to difficult and challenging issues in their profession by applying computer science and engineering theory and principles.
PEO2	Program Educational Objective2 :(PEO2) The Graduates have successful careers in computer science and engineering fields or will be able to successfully pursue advanced degrees.
PEO3	Program Educational Objective3: (PEO3) The Graduates will communicate effectively, work collaboratively and exhibit high levels of Professionalism, moral and ethical responsibility.
PEO4	Program Educational Objective4 :(PEO4) The Graduates will develop the ability to understand and analyse Engineering issues in a broader perspective with ethical responsibility towards sustainable development.

PROGRAM OUTCOMES (POS):

PO1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering Fundamentals and an engineering specialization to the solution of complex engineering problems.
PO2	Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO3	Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
PO4	Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5	Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
PO6	The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
PO7	Environment and sustainability: Understand the impact of the professional engineering Solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
PO8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO9	Individual and team work: Function effectively as an individual, and as a member or leader In diverse teams, and in multi-disciplinary settings.
PO10	Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
PO11	Project management and finance: Demonstrate knowledge and understanding of the Engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
PO12	Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES(PSOS):

PSO1	Problem Solving Skills – Graduate will be able to apply computational techniques and software principles to solve complex engineering problems pertaining to software engineering.
PSO2	Professional Skills – Graduate will be able to think critically, communicate effectively, and collaborate in teams through participation in co and extra-curricular activities.
PSO3	Successful Career – Graduates will possess a solid foundation in computer science and engineering that will enable them to grow in their profession and pursue lifelong learning through post-graduation and professional development.

SL.NO	List Of Experiments	Page No
1	Write a PHP script to print prime numbers between 1-50.	
2	PHP script to <ol style="list-style-type: none"> Find the length of a string. Count no of words in a string. Reverse a string. Search for a specific string. 	
3	Write a PHP script to merge two arrays and sort them as numbers, in descending order.	
4	Write a PHP script that reads data from one file and write into another file.	
5	Develop static pages (using Only HTML) of an online book store. The pages should resemble:www.amazon.com. The website should consist the following pages. <ol style="list-style-type: none"> Home page Registration and user Login User Profile Page Books catalog Shopping Cart Payment By credit card Order Conformation 	
6	Validate the Registration, user login, user profile and payment by credit card pages using JavaScript.	
7	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.	
8	install TOMCAT web server. Convert the static web pages of assignments 2 into dynamic webpages 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.	
9	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.	

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

```
<?php
$number = 2 ;
while ($number <100 )
{
$div_count=0;
for ( $i=1;$i<=$number;$i++)
{
if (($number%$i)==0)
{
$div_count++;
}
}
if ($div_count<3)
{
echo $number." , ";
}
$number=$number+1;
}
?>
```

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

2. PHP script to**a. Find the length of a string.**

```
<!DOCTYPE html>
<html>
<body>

<?php
echo strlen("Hello world!");
?>
```

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

OUTPUT:

12

b. Count no of words in a string.

```
<!DOCTYPE html>
<html>
<body>

<?php
echo str_word_count("Hello world!");
?>
```

```
</body>
```

```
</html>
```

OUTPUT:

c. Reverse a string.

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<?php
```

```
echo strrev("Hello world!");
```

```
?>
```

```
</body>
```

```
</html>
```

OUTPUT:

!dlrowolleH

d. Search for a specific string.

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<?php
```

```
echo strpos("Hello world!", "world");
```

```
?>
```

```
</body>
```

```
</html>
```

OUTPUT:

6

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<?php
```

```
echo str_replace("world", "Dolly", "Hello world!");
```

```
?>
```

OUTPUT:

Hello Dolly!

```
</body>
```

```
</html>
```

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

```
<?php
$a1=array(1,3,15,7,5);
$a2=array(4,3,20,1,6);
$num=array_merge($a1,$a2);
array_multisort($num,SORT_DESC,SORT_NUMERIC);
print_r($num);
?>
Array ( [0] => 20 [1] => 15 [2] => 7 [3] => 6 [4] => 5 [5] => 4 [6] => 3 [7] => 3 [8] => 1 [9] => 1 )
```

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

```
<?php
if(isset($_POST['save']))

{

$f=$_POST['file'];

$ext=$_POST['ext'];

$data=$_POST['data'];

$file=$f.$ext;

if(file_exists($file))

{

echo "<font color='red'>file already exists</font>";

}

else

{

$fo = fopen($file,"w");

fwrite($fo,$data);

echo "your data is saved";

}

}
```


?>

<form method="post">

enter your file<input type="text" name="file"/>

choose your extension<select name="ext">

<option value="">choose urexten</option>

<option>.txt</option>

<option>.docs</option>

<option>.pdf</option>

</select>

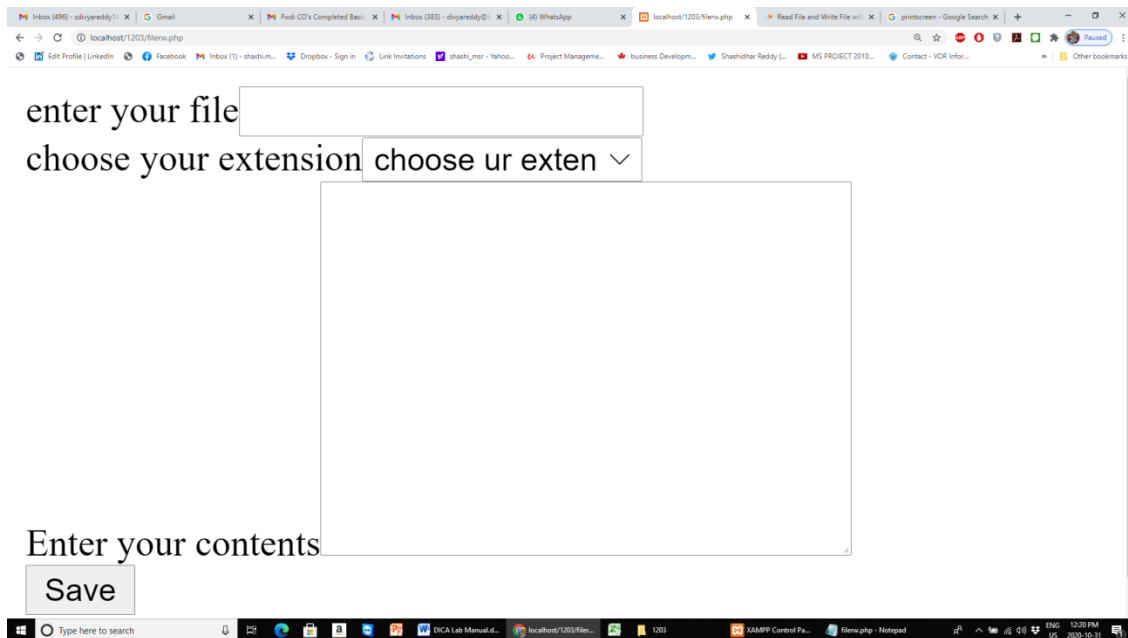
Enter your contents<textarea rows="10" cols="30" name="data">

<?php echo @\$contents ; ?>

</textarea>

<input type="submit" value="Save" name="save"/>

</form>



<?php

if(isset(\$_POST['disp']))

```
{

$f=$_POST['file'];

$ext=$_POST['ext'];

$file=$f.$ext;

if(file_exists($file))

{

$fo = fopen($file,"r");

$content = fread($fo,filesize($file));

}

else

{

echo "<font color='red'>file doesn't exists</font>";

}

}

?>

<form method="post">

enter your file<input type="text" name="file"/><br/>

choose your extension<select name="ext">
<option value="">choose urexten</option>
<option>.txt</option>
<option>.docs</option>
<option>.pdf</option>
</select><br/>

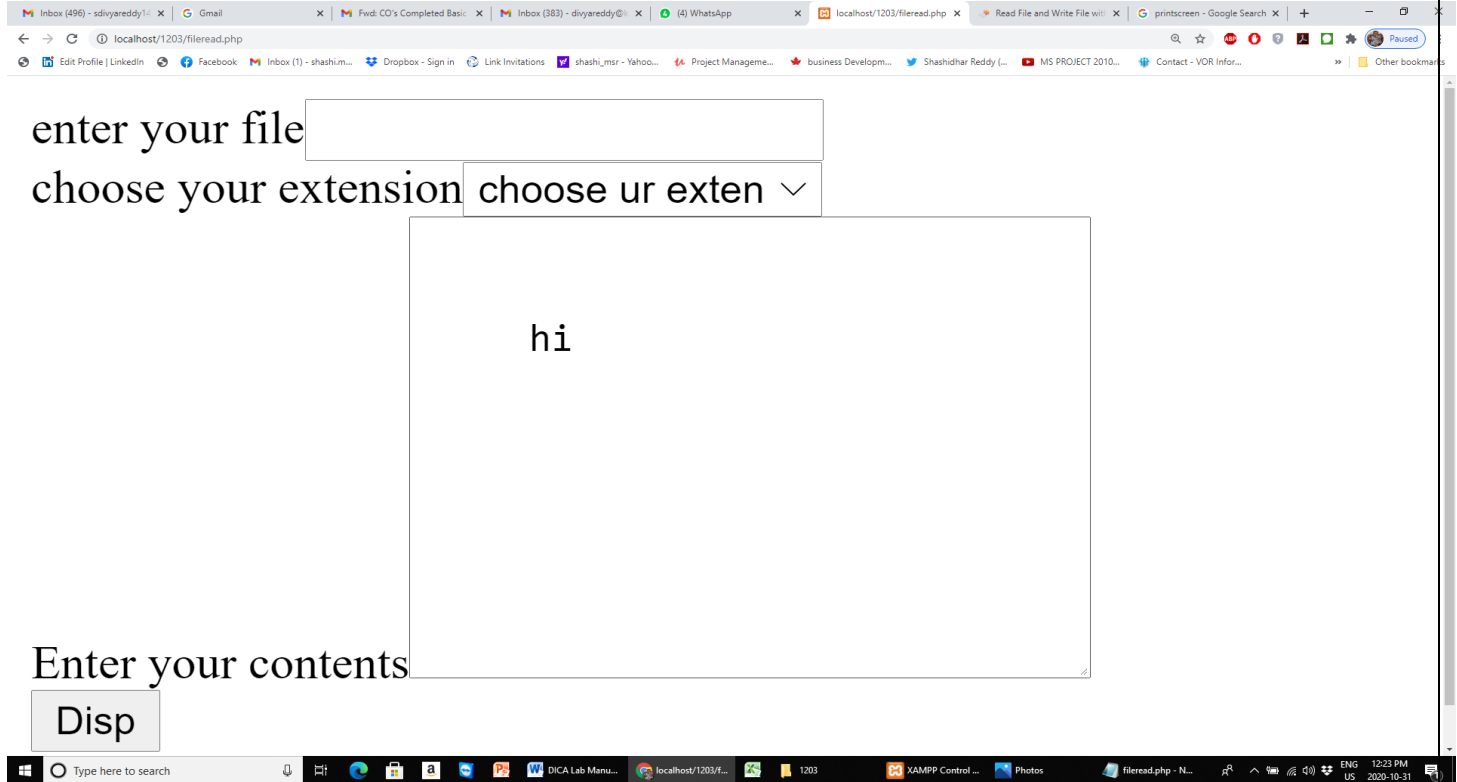
Enter your contents<textarea rows="10" cols="30" name="data">

<?php echo @$contents ; ?>
```

</textarea>

<input type="submit" value="Disp" name="disp"/>

</form>



enter your file

choose your extension choose ur exten

hi

Enter your contents

Disp

5. Develop static pages (using Only HTML) of an online book store. The pages should resemble: www.amazon.com. The website should consist 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**
- Home page**

Main.html:

```
<html>
<head>
<title>
Amazon</title>
</head>
<body bgcolor="cyan"><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>
</body>
</html>
```

Registration and user Login

Login.html:

```
<html>
<head>
<title>
login</title>
</head>
<body bgcolor="cyan"><center>
<strong><h1> AMAZON </h1></strong></center>
<right>
<table align="right">
<tr>
<td><h4>user name</td>
<td><input type="text" ></td>
<td></td>
</tr>
<tr>
```

```
<td><h4>password</td>  
<td><input type="password"></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" >  
    &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&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="reset"></form></td>  
</tr>  
</table>  
</body>  
</html>
```

Registration page

```
reg.html:
<html>
<head>
<title>
login page</title>
</head>
<body bgcolor="cyan">
<center><strong><h1> AMAZON </h1></strong></center>
<form method="post" action="catalog.html" >
<right>
<table align="left">
<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>
```

[illegible]

Userprofile

```

userprofile.html
<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>
<td><h4>Edit password</td>
<td><input type="password"></td>
</tr>

```

```
<html>
<head>
<title>
books catalog</title>
</head>
<body bgcolor="cyan">
<center><h1>AMAZON</h1></center>
<form method="post" action="shopping.html">
<left>
<table>
<tr>
<td><b><h3>frontend books</td>
<td></td></tr>
<tr>
<td></td>
<td><h4>C&Ds</td>
</tr>
<tr>
<td></td>
<td><h4>Ads</td>
</tr>
```

```
<tr>
<td></td>
<td><h4>JAVA
</td></tr>
<tr>
<td><b><h3>backend books</td>
<td></td>
</tr>
<tr>
<td></td>
<td><h4>Oracle</td>
</tr>
<tr>
<td></td>
<td><h4>Ms SQL Server
</td></tr>
<tr>
<td></td>
<td><h4>MySql</td>
</tr>
</table>
</h4>
<center>
<b>for buy one of these books
<br>
</b><input type="submit" value="click here">
</center>
</form>
</body>
</html>
```

Shopping cart

Shopping.html:

```
<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">
<option value="C&Ds">C&Ds
<option value="Ads">Ads
<option value="Java">Java
<option value="Oracle">Oracle
<option value="Ms SQL Server">Ms SQL Server
<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>
```

Payment by credit card

Payment.html:

```
<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>
<td>
<h4>Total Amount</h4></td>
```



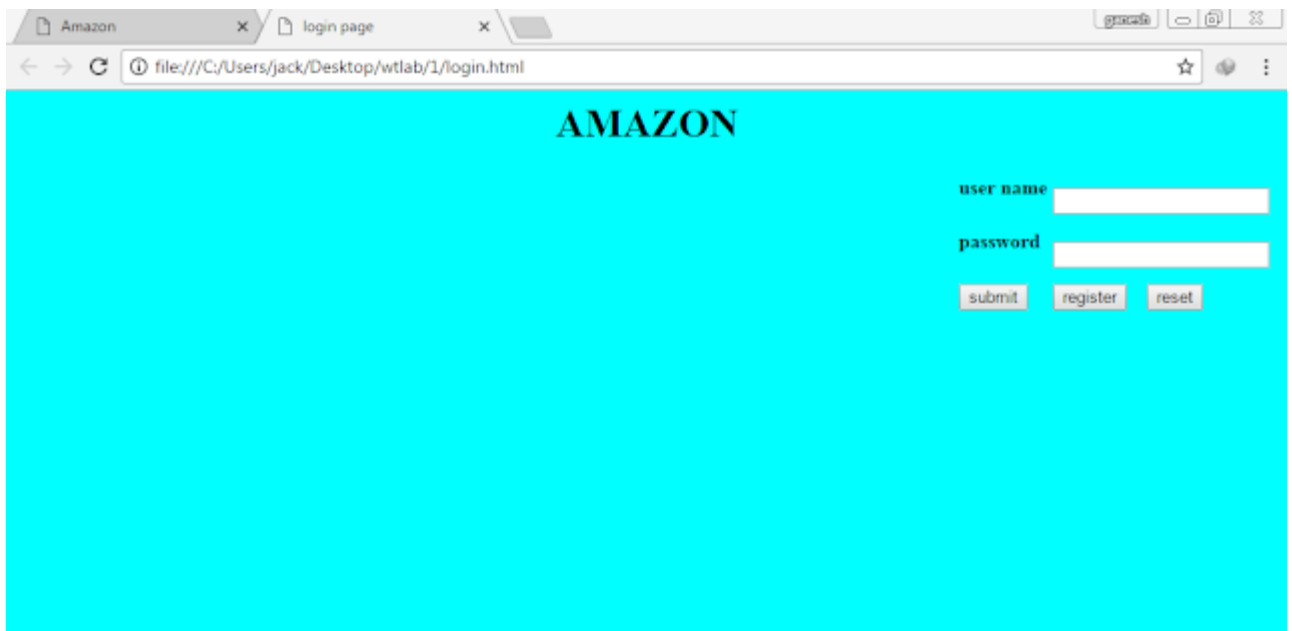
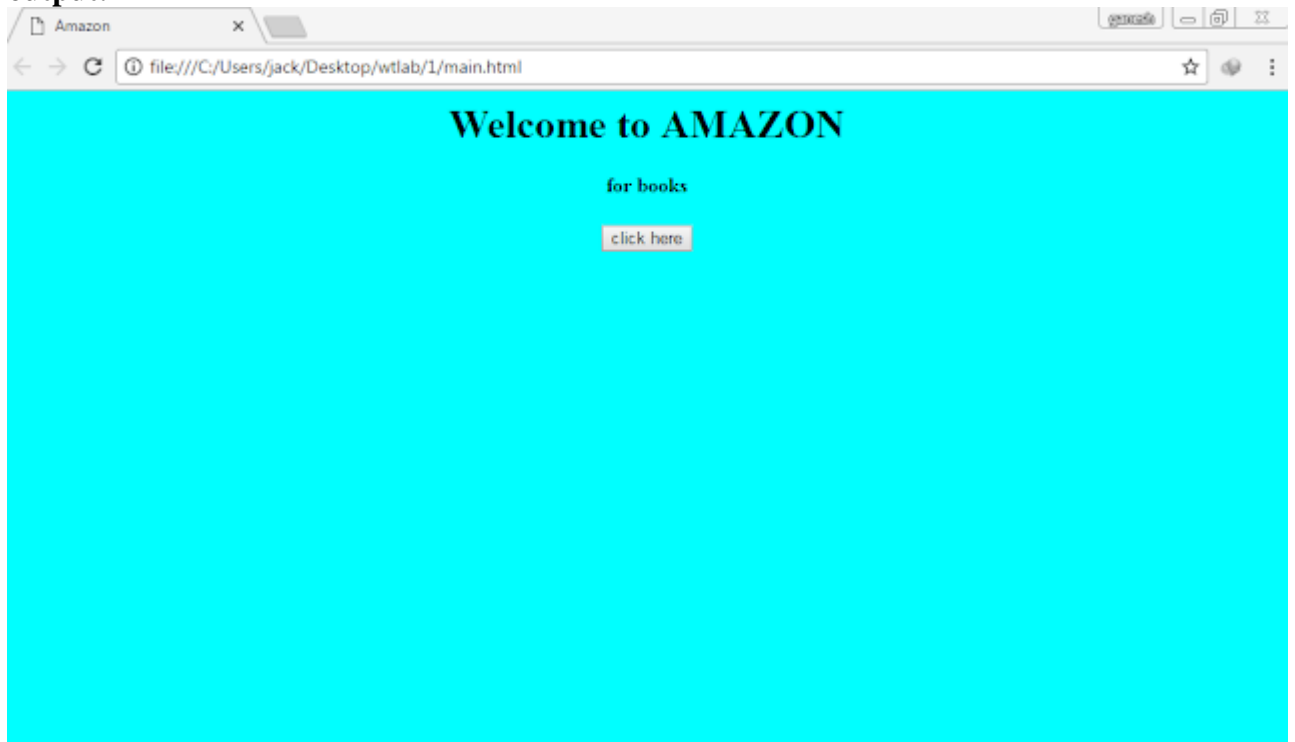
```
<td><input type="text">
</td>
</tr>
<tr>
<td><h4>Credit Card Number</td>
<td><input type="text"></td>
</tr>
<tr>
<td>
</td>
</tr>
<td><input type="submit" value=OK>
</td>
</tr>
</table>
</form></body>
</html>
```

Order Conformation

Orderconform:

```
<html>
<head><title>order conformation</title><M/head>
<body bgcolor="cyan">
<center>
<h1><b>BOOK SHOPPING</h1>
<pre><strong>
<b>Your order Is Conformed
</strong></pre>
<h2><b>THANK YOU</h2>
</center>
</body></html>
```

output:





Amazon x login page x Registration page x

file:///C:/Users/jack/Desktop/wtlab/1/reg.html

AMAZON

user name

password

confirm password

male ☒ female ☐

Address

books catalog x userprofile x shopping cart x payment x books catalog x order confirm x

file:///C:/Users/jack/Desktop/wtlab/1/userprofile.html

Welcome to AMAZON Online Book Store

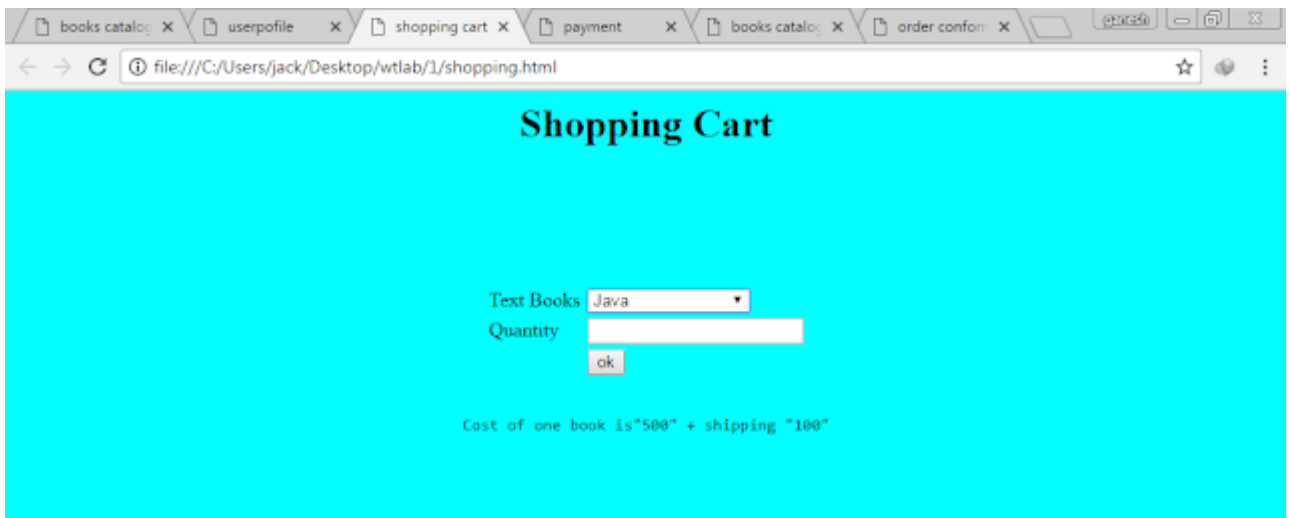
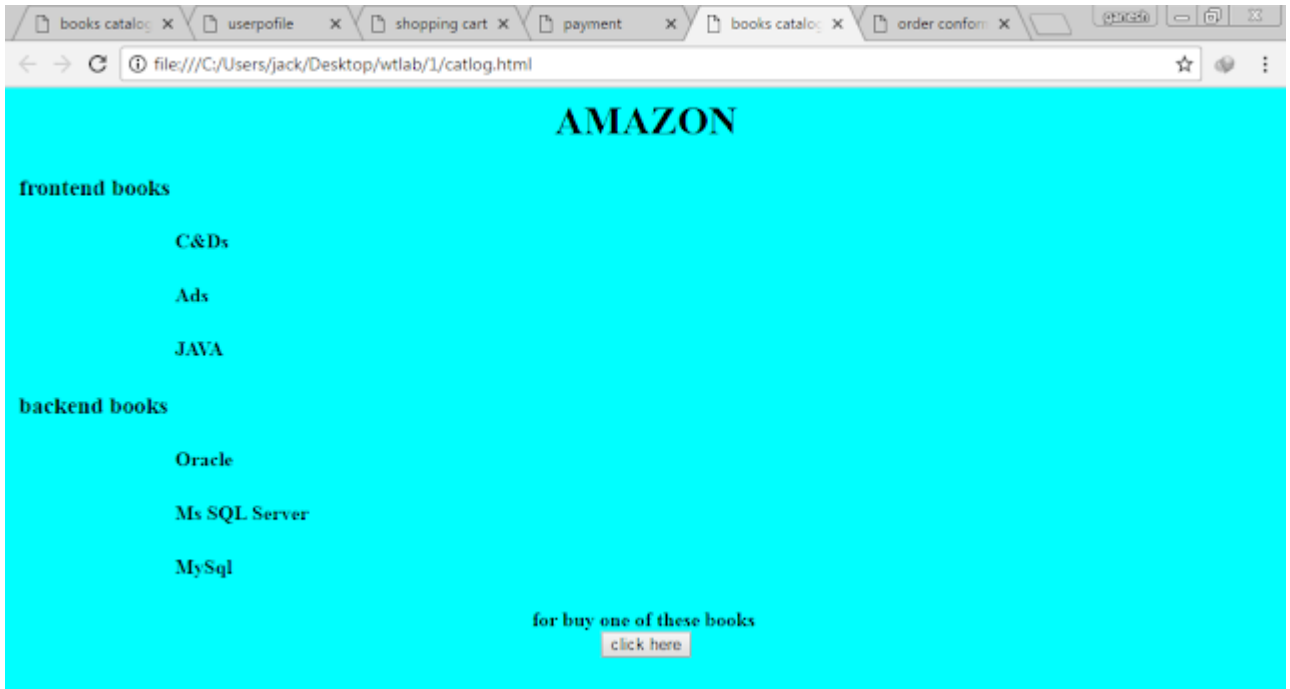
Edit your profile here...

Edit user name

Edit password

male ☒ female ☐

Edit Address





books catalog X userprofile X shopping cart X payment X books catalog X order confirm X

file:///C:/Users/jack/Desktop/wtlab/1/payment.html

Payment By Credit Card

Total Amount

Credit Card Number

OK

books catalog X userprofile X shopping cart X payment X books catalog X order confirm X

file:///C:/Users/jack/Desktop/wtlab/1/orderconfirm.html

BOOK SHOPPING

Your order Is Confirmed

THANK YOU

6. Validate the Registration, user login, user profile and payment by credit card pages using JavaScript.

□ **Homepage:**

Main.html:

```
<html>

    <frameset rows="25%,*">
        <frame src="top.html" name="top" scrolling="no" frameborder="0">
        <frameset cols="25%,75%">
            <frame src="left.html" name="left" scrolling="no" frameborder="0">
            <frame src="right.html" name="right" scrolling="auto" frameborder="0">
        </frameset>
    </frameset>

</html>
```

Top.html:

```
<html>

    <body bgcolor="pink">
        <br><br>
        <marquee><h1
            align="center"><b><u>ONLINE BOOK
            STORAGE</u></b></h1></marquee>
    </body>
</html>
```

Right.html:

```
<html>

    <body>
        <br><br><br><br><br>
        <h2 align="center">
        <b><p> welcome to online book storage. Press
        login if you are having id otherwise press
        registration.
        </p></b></h2>
    </body></html>
```

Left.html:

```
<html>
<body bgcolor="pink">
<h3>
<ul>
<li><a href="login.html" target="right"><font
color="black">
LOGIN</font></a></li><br><br>
<li><a href="profile.html" target="right"><font
color="black"> USER
PROFILE</font></a></li><br><br>
<li><a href="catalog.html" target="right"><font
color="black"> BOOKS
CATALOG</font></a></li><br><br>
<li><a href="scart.html" target="right"><font
color="black">
SHOPPINGCART</font></a></li><br><br>
<li><a href="payment.html" target="right"><font
color="black">
PAYMENT</font></a></li><br><br>
<br><br>
</ul>
</body>
</html>
```

Registration and user Login

Login.html:

```
<html>
<body bgcolor="pink"><br><br><br>
<script
language="javascript">
function validate()
{
var flag=1;
if(document.myform.id.value=="
"||
document.myform.pwd.value=="
")
{
alert("LoginId and Password must be filled")
flag=0;
}
if(flag==1)
{
```


[illegible]

[Profile.html:](#)

```
<html>
<body bgcolor="pink"><br><br>
<script
type="text/javasc
ript"> function
validate()
{
    var flag=1;
    if(document.myform.name.value
    ==""||
        document.myform.add
        r.value==""||
        document.myform.phn
        o.value==""||
        document.myform.id.v
        alue==""||
        document.myform.pw
```

```
d.value=="")
{
    alert("Enter all the details");
    flag=0;
}
var str=document.myform.phno.value;
var x=new RegExp("\\d","g");
if(!(str.match(x)))
{
    if(!(str.
length
==10))
flag=0
;
}
var str1=document.myform.id.value;
var x1=new RegExp("^[A-Z][a-
zA-Z]+$","g");
if(!(str1.match(x1)))
{
    flag=0;
    alert("Invalid UserID");
}
var
str1=document.myform.pwd.valu
e; var x1=new RegExp("^[A-
Z][a-zA-Z]+$","g");
if(!(str1.match(x1)))
{
    flag=0;
    alert("Invalid password");
}

if(f
lag
==
1)
{
    alert("VALID INPUT");
    window.self.location.href="login.html";
}
```

[illegible]

Bookscatalog:

Scart.html:

```
<html>
<body bgcolor="pink"><br><br><br>
    <script
        language="javascript
    "> function
    validate()
    {
        var flag=1;
        if(document.myform.title.val
        ue=="")
        {
            flag=0;
        }

        str=document.myform.title.value;

        if(str=="c"||str=="C")
```

```
{
    document.myform.t1.value="C";
    document.myform.t2.value=444;
}
else if(str=="jsp"||str=="JSP")
```

```
else{
    document.myform.t1.value="JSP"; document.myform.t2.value=555;
}
```

```
{
    flag=0;
}
```

☐ [Shoppingcart:](#)

Catalog.html:

```
<html>
<body bgcolor="pink"><br><br><br>
<script
    language="javascript
"> function
validate()
{
    var flag=1;
    if(document.myform.id.value
    ==""||
    document.myform.title.valu
    e==""||
    document.myform.no.valu
    e==""||
    document.myform.cost.val
    ue=="")
    {
        flag=0;
    }

    str=document.myform.title.value;
    var str1=document.myform.cost.value;
    if(!((str=="c"&& str1==444) || (str=="jsp" && str1==555)))
    {
```

```
flag=0;
}
```

```
if(flag==1)
{
```

```
alert("VALID INPUT");
```

```

else
}

```

$$\}$$

```
{
  alert("INVALIDINPUT");
  document.myform.focus();
}
```

</script>

```
<form name="myform" action="scart.html" target="right">
```

<div align="center"><pre>

LOGINID :<input type="text" name="id">

TITLE :<input type="text"/>

name="title">
NO.OFBOOKS :<input type="text" value=""/>

type="text" name="no">

COSTOFBOOK :<input type="text" name="cost">


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


<div align="center">

</body>

Payment by creditcard

Payment.html:

```
<html>  
<body bgcolor="pink"><br><br><br>  
    <script language="javascript">  
        function validate()  
        {  
            var flag=1;  
            if(document.myform.id.value=="|| document.myform.pwd.value=="||  
document.myform.amount.value=="|| document.myform.num.value=="")  
            {  
                flag=0;  
            }  
            var str=document.myform.amount.value;  
            var x=new RegExp("\\d","g");  
            if(!(str.match(x)))  
            {  
                flag=0;  
            }  
            if(flag==1)  
            {  
                alert("VALID INPUT");  
                window.self.location.href="order.html";  
            }  
            else  
            {  
                alert("INVALIDINPUT");  
                document.myform.focus();  
            }  
        }  
    </script>  
    <form name="myform">  
        <div align="center"><pre>  
LOGINID           :<input type="text" name="id"><br>  
PASSWORD          :<input type="password" name="pwd"><br>  
AMOUNT            :<input type="text"name="amount"><br>  
CREDITCARDNUMBER   :<input type="PASSWORD" name="num"><br></pre><br><br>  
        </div>  
        <br><br>  
        <div align="center">  
            <input type="button" 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 type="reset" value="clear" >  
        </div>  
    </form>  
</body>
```

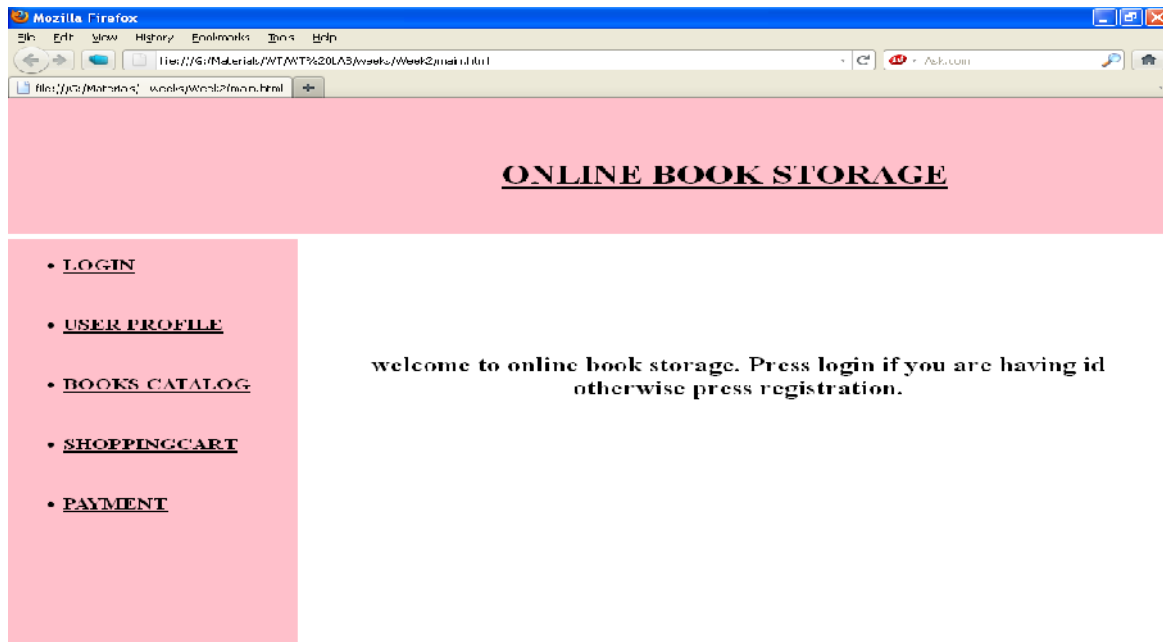
</html>

Order ConformationOrder.html:

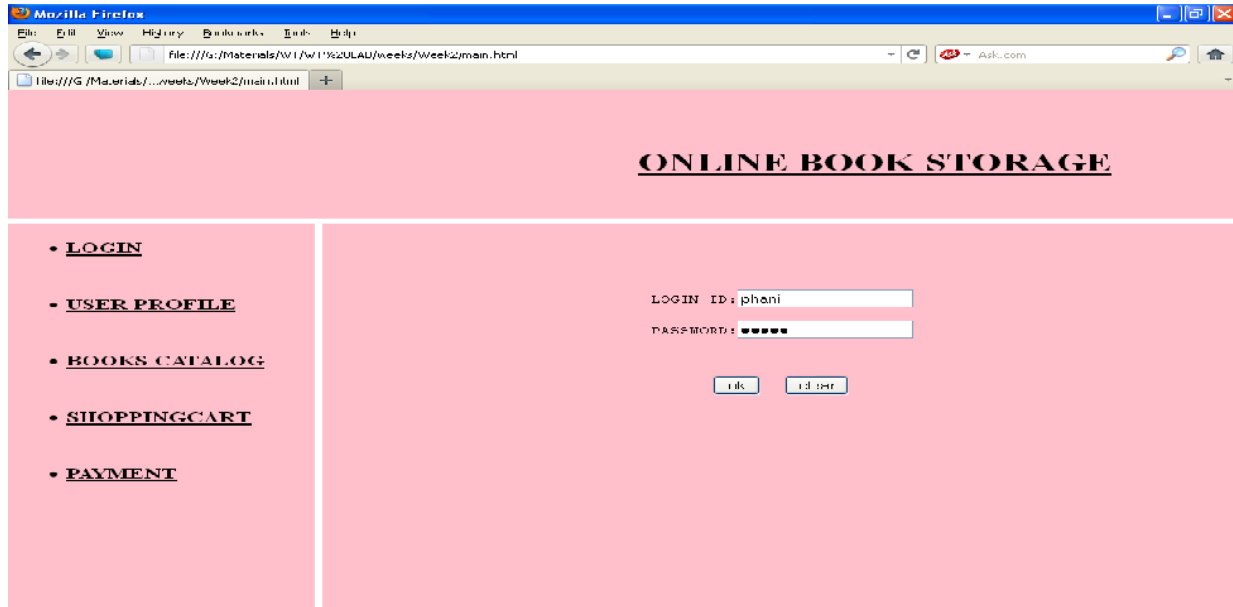
```
<html>
<head><title>order conformation</title></head>
<body bgcolor="cyan">
<center>
<h1><b>AMAZON</b></h1>
<pre><strong>
<b>Your order Is Conformed
</strong></pre>
<h2><b>THANK YOU</b></h2>
</center>
</body>
</html>
```

OUTPUT:

Main.html



Login.html:



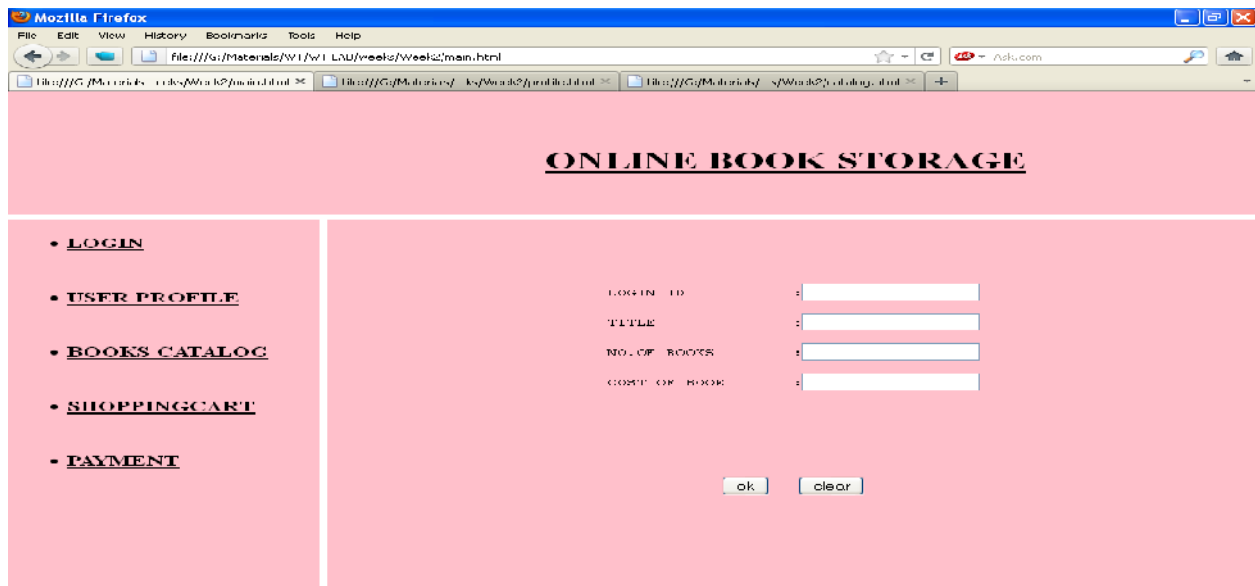
ONLINE BOOK STORAGE

- **LOGIN**
- **USER PROFILE**
- **BOOKS CATALOG**
- **SHOPPINGCART**
- **PAYMENT**

LOGIN ID : phani
PASSWORD : *****

ok cancel

Catalog.html:



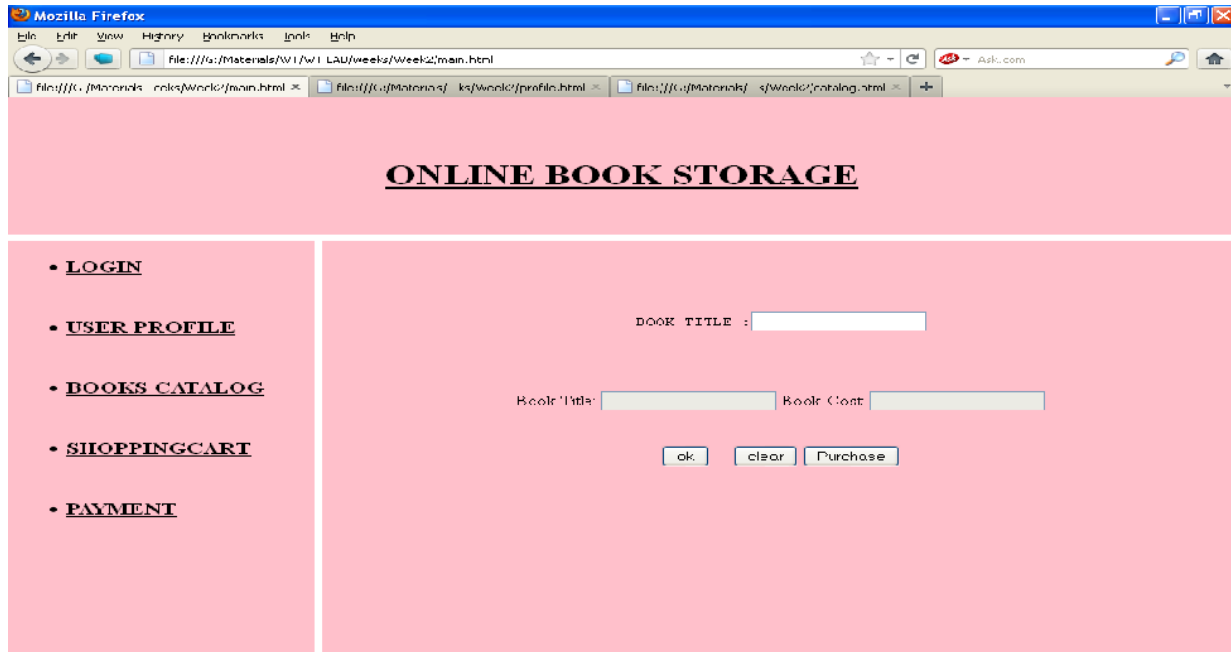
ONLINE BOOK STORAGE

- **LOGIN**
- **USER PROFILE**
- **BOOKS CATALOG**
- **SHOPPINGCART**
- **PAYMENT**

LOGIN ID :
TITLE :
NO. OF BOOKS :
COST OF BOOK :

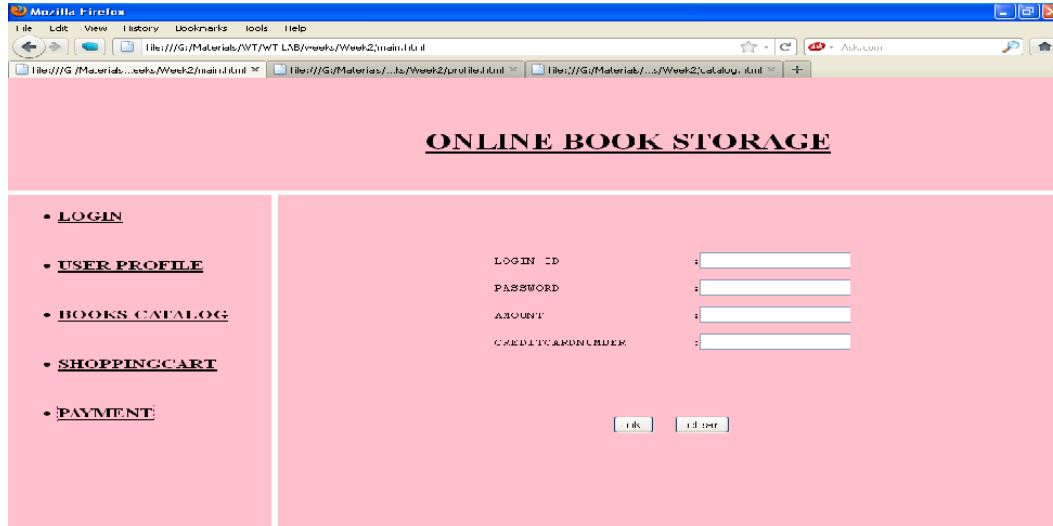
ok clear

Scart.html:



The screenshot shows a Mozilla Firefox browser window displaying a web application titled "ONLINE BOOK STORAGE". The application has a pink background and a navigation menu on the left with the following links: **LOGIN**, **USER PROFILE**, **BOOKS CATALOG**, **SHOPPINGCART**, and **PAYMENT**. The main content area contains a form for adding a book. It includes a "BOOK TITLE :" label followed by a text input field. Below this, there are two more input fields labeled "Book Title:" and "Book Cost:". At the bottom of the form are three buttons: "ok", "clear", and "Purchase".

Payment.html:



ONLINE BOOK STORAGE

- [LOGIN](#)
- [USER PROFILE](#)
- [BOOKS CATALOG](#)
- [SHOPPINGCART](#)
- [PAYMENT](#)

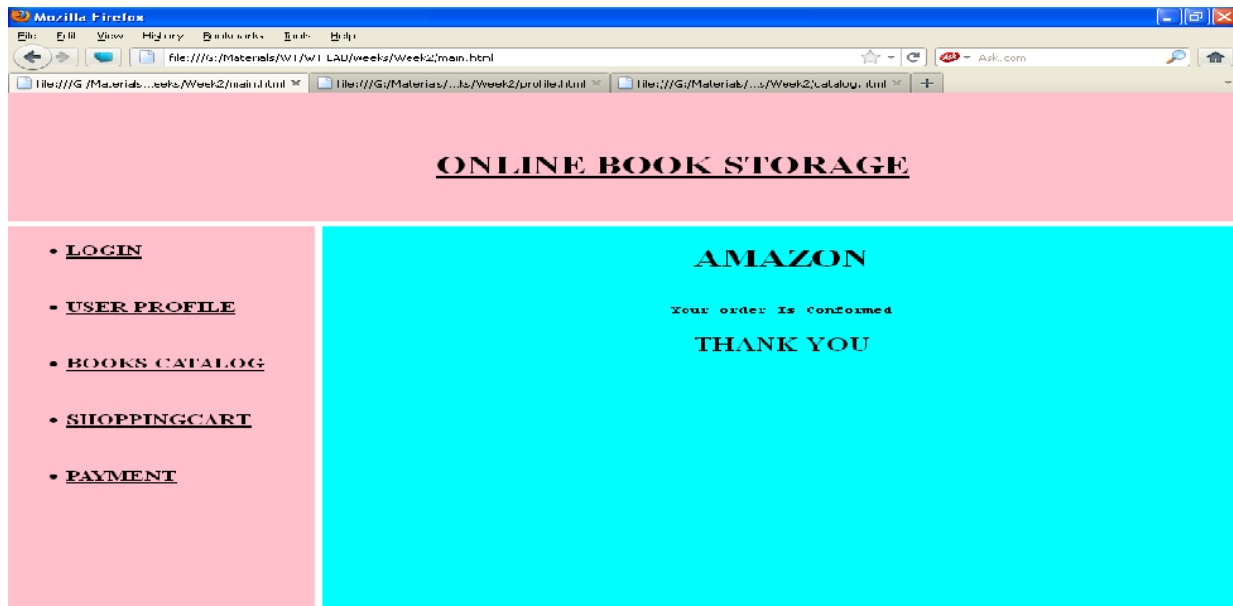
LOGIN ID:

PASSWORD:

AMOUNT:

CREDITCARDNUMBER:

Order.html



ONLINE BOOK STORAGE

- [LOGIN](#)
- [USER PROFILE](#)
- [BOOKS CATALOG](#)
- [SHOPPINGCART](#)
- [PAYMENT](#)

AMAZON

Your order Is confirmed

THANK YOU

7. 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.

```
<employees>
<employee id="111">
<firstName>Chandrika</firstName>
<lastName>Gupta</lastName>
<location>India</location>
</employee>
<employee id="222">
<firstName>Srinivas</firstName>
<lastName>Reddy</lastName>
<location>Russia</location>
</employee>
<employee id="333">
<firstName>Anupama</firstName>
<lastName>P</lastName>
<location>USA</location>
</employee>
```

```
<employee id="444">
<firstName>Lokesh</firstName>
<lastName>Gupta</lastName>
<location>India</location>
</employee>
<employee id="555">
<firstName>Vishnu</firstName>
<lastName>Gussin</lastName>
<location>Russia</location>
</employee>
<employee id="666">
<firstName>Veeru</firstName>
<lastName>Feezor</lastName>
<location>USA</location>
```

```
</employee>
<employee id="777">
<firstName>Pavan</firstName>
<lastName>Feezor</lastName>
<location>USA</location>
</employee>

<employee id="888">
<firstName>Narayana</firstName>
<lastName>Gussin</lastName>
<location>Russia</location>
</employee>
<employee id="999">
<firstName>David</firstName>
<lastName>Feezor</lastName>
<location>USA</location>
</employee>
<employee id="1000">
<firstName>Sunder</firstName>
<lastName>Feezor</lastName>
<location>USA</location>
</employee>
</employees>
```

ReadXML.java:

```
import org.w3c.dom.*;
import javax.xml.parsers.*;
import java.io.*;
import java.util.Scanner;
public class ReadXML {
    public static void main(String a[]) throws Exception{
        DocumentBuilderFactory factory =
DocumentBuilderFactory.newInstance();
        DocumentBuilder builder = factory.newDocumentBuilder();

        //Build Document
        Document document = builder.parse(new
File("C:\\Users\\Narayana\\Desktop\\employees.xml"));
        //Normalize the XML Structure; It's just too
important !! document.getDocumentElement().normalize();
```

//Here comes the root node

```
Element root = document.getDocumentElement();
```

//Get all employees

```
NodeList nList = document.getElementsByTagName("employee");
```

```
System.out.println("enter employee id:");
```

```
Scanner s=new Scanner(System.in);
```

```
String id=s.next();
```

```
for (int temp = 0; temp < nList.getLength(); temp++)
```

```
{
```

```
    Node node = nList.item(temp);
```

```
    if (node.getNodeType() == Node.ELEMENT_NODE)
```

```
    {
```

```
        Element eElement = (Element) node;
```

```
        if(eElement.getAttribute("id").equals(id)){
```

```
            System.out.println("First Name : "+
```

```
eElement.getElementsByTagName("firstName").item(0).getTextContent());
```

```
            System.out.println("Last Name:" +
```

```
eElement.getElementsByTagName("lastName").item(0).getTextContent());
```

```
            System.out.println("Location:" +
```

```
eElement.getElementsByTagName("location").item(0).getTextContent());
```

```
        }
```

```
    }
```

```
}
```

```
}
```

```
}
```

OUTPUT:-

Enter Employee Id: 222

```
First Name : Srinivas
Last Name  : Reddy
Location   : Russia
```

8. 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.

PROCEDURE:

First install the tomcat into the system.

Then make a subdirectory(eg., tr) in the \tomcat\webapps.

Under tr create WEB-INF directory and also place the html files in this tr directory only. Next under WEB-INF create two subdirectories lib,classes and web.xml

Next place all the class files under the classes and jar files(servlet-api.jar,classes12.jar etc...) under lib subdirectories.

After this start tomcat by giving the following command at the instll_dir>tomcat>bin Catalina.bat run

At the I.E(web browser) give the url as http://localhost:8080//tr/htmlfile or servlet url pattern Portno 8080 is assigned for the tomcat.

Web.xml

```
<?xml version="1.0" encoding="iso-8859-1"?>
<!DOCTYPE web-app
PUBLIC "-//Sun Microsystems, Inc.//DTD Web Application
2.3//EN" "http://java.sun.com/dtd/web-app_2_3.dtd">
<web-app>
  <display-name>Servlet 2.4 Examples</display-name>
  <description>
    Servlet 2.4 Examples.
  </description>
  <servlet>
    <servlet-name>reg</servlet-name>
    <servlet-class>reg</servlet-class>
  </servlet>
  <servlet>
    <servlet-name>login</servlet-name>
    <servlet-class>login</servlet-class>
  </servlet>
  <servlet>
    <servlet-name>profile</servlet-name>
    <servlet-class>profile</servlet-class>
  </servlet>
  <servlet>
    <servlet-name>catalog</servlet-name>
    <servlet-class>catalog</servlet-class>
```

```
<servlet-mapping>
  <servlet-name>order</servlet-name>
  <url-pattern>/servlet</url-pattern>
</servlet-mapping>
<servlet>
  <servlet-name>order</servlet-name>
  <servlet-class>order</servlet-class>
</servlet>
</servlet-mapping>
</servlet-mapping>
</servlet-mapping>
  <servlet-name>catalog</servlet-name>
  <url-pattern>catalog</url-pattern>
</servlet-mapping>
<servlet-mapping>
  <servlet-name>profile</servlet-name>
  <url-pattern>profile</url-pattern>
</servlet-mapping>
<servlet-mapping>
  <servlet-name>login</servlet-name>
  <url-pattern>login</url-pattern>
</servlet-mapping>
<servlet-mapping>
  <servlet-name>reg</servlet-name>
  <url-pattern>reg</url-pattern>
</servlet-mapping>
</web-app>
```

Main.html

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0
Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-
transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<body bgcolor="pink">
<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="/tr/login.html">LOGIN</a><a
href="/tr/reg.html"> REGISTRATION</a></div></pre>
</body>
</html>
```

Login.html

[illegible]

Reg.html

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0  
Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-  
transitional.dtd">  
<html xmlns="http://www.w3.org/1999/xhtml">  
<body bgcolor="pink"><br /><br />  
<form name="myform" method="post" action="/tr/reg">  
<div align="center"><pre>  
NAME                :<input type="text" name="name" /><br/>  
ADDRESS              :<input type="text" name="addr"  
</div><br /> CONTACTNUMBER      :<input type="text"  
name="phno" /><br /> LOGINID     :<input type="text" name="id"  
</div><br />  
PASSWORD             :<input type="password" name="pwd" /></pre><br /><br/>  
<br /><br />  
<div align="center">  
<input type="submit" value="ok" onclick="validate()">  
</div><br />  
</form>  
</body>  
</html>
```

Profile.html

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0
Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-
transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<body bgcolor="pink"><br /><br /><br />
<form name="myform" method="post" action="/tr/profile">
```



```
<div align="center"><pre>
LOGIN ID :<input type="text" name="id" /><br />
</pre><br /><br />
</div>
<br /><br />
<div align="center">
<input type="submit" value="ok" onclick="validate()"
/>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<input type="reset"
value="clear" />
</div></form></body></html>
```

Catalog.html

[illegible]

Order.html

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">

<body bgcolor="pink"><br /><br />
<form method="post" action="/tr/reg">
<div align="center"><pre>
NAME                :<input type="text" name="name"
/><br /> PASSWORD    :<input type="password"
name="pwd" /> TITLE   :<input type="text" name="title"
/><br /> NO.OFBOOKS   :<input type="text" name="no"
/><br /> DATE         :<input type="text" name="date"
/><br />
CREDIT CARD NUMBER:<input type="password" name="cno" /><br /></pre><br /><br />
</div>
<br /><br />
<div align="center">
<input type="submit" value="ok"
```

```
name="button1"/>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<input type="reset"
value="clear" name="button2"/>
</div>
</form>
</body>
</html>
```

Login.java

29

```
import java.sql.*;
import java.io.*;
import java.util.*;
import
javax.servlet.*;
import javax.servlet.http.*;
public class login extends HttpServlet
{
    public void service(HttpServletRequest req, HttpServletResponse
resp) throws ServletException, IOException
    {
        PrintWriter
        pw=resp.getWriter();
        pw.println("<html><body bgcolor=\"pink\"");
        String id=req.getParameter("id");
        String
        pwd=req.getParameter("pwd"); try
        {
            Driver
            d=new oracle.jdbc.driver.OracleDriver();
            DriverManager.registerDriver(d);
            Connection
            con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:orcl","scott","tiger
            ");
            ;
            Statement stmt=con.createStatement();
            String sqlstmt="select id,password from
            login";
            ResultSets=stmt.executeQuery(sqlstmt);
            int flag=0;
            while(rs.next(
            ))
            {
                if(id.equal(rs.getString(1))&&pwd.equals(rs.getString(2)))
                {
                    flag=1;
                }
            }
            if(flag==0)
            {
```

```

        }
        else
        {
pw.println("SORRY INVALID ID TRY AGAIN ID<br><br>");
pw.println("<a href=\"\"/tr/login.html\">press LOGIN to RETRY</a>");

pw.println("VALID LOGIN ID<br><br>");
pw.println("<h3><ul>");
pw.println("<li><a href=\"\"profile.html\"><fontcolor=\"black\">USER PROFILE</font>
        </a></li><br><br>");

        pw.println("<li><a href=\"\"catalog.html\"><fontcolor=\"black\">BOO
        KS CATALOG</font></a></li><br><br>");
        pw.println("<li><a href=\"\"order.html\"><fontcolor=\"black\">OR
        DER CONFIRMATION</font>    </a></li><br><br>");
        }
        pw.println("</body></html>");
    }
    catch(Exception e)
    {
        resp.sendError(500,e.toString());
    }
}

Reg.html    30
import java.sql.*;
import java.io.*;
import java.util.*;
import
javax.servlet.*;
import javax.servlet.http.*;
public class login extends HttpServlet
{
    public void service(HttpServletRequestreq,HttpServletResponse
    resp) throws ServletException,IOException
    {
        PrintWriter pw=resp.getWriter();
        pw.println("<html><body
        bgcolor=\"pink\""); String
        name=req.getParameter("name");
        String addr=req.getParameter("addr");
        String phno=req.getParameter("phno");
        Stringid=req.getParameter("id");
        String
        pwd=req.getParameter("pwd"); int

```

```
no=Integer.parseInt(phno);
try
{
    Driver d=new oracle.jdbc.driver.OracleDriver();
    DriverManager.registerDriver(d);
    Connection
    con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:orcl","scott","tiger
    ");
    ;
    Statement stmt=con.createStatement();
    String sqlstmt="select id,password from
    login";
    ResultSets=stmt.executeQuery(sqlstmt);
    int flag=0;
    while(rs.next(
    ))
    {
        if(id.equal(rs.getString(1))&&pwd.equals(rs.getString(2)))
        {
            flag=1;
        }
    }
    if(flag==1)
    {
        pw.println("SORRY INVALID ID ALREADY EXISTS TRY AGAIN WITH NEW
        ID<br><br>");
        pw.println("<a href='\"/tr/reg.html\"'>press REGISTER to RETRY</a>");
    }
    else
    {
        Statement
        stmt1=con.createStatement();
        stmt1.executeUpdate("insertintologin
        values(\"+names\", \"+addr+\", \"+no+\", \"+id+\", \"+pwd+)\");
        pw.println("YOUR DETAILS
        ARE ENTERED<br><br>");
        pw.println("<a href='\"/tr/login.html\"'>press LOGIN to login</a>");
    }
    pw.println("</body></html>");
}
catch(Exception e)
{
    resp.sendError(500,e.toString());
}
}}
```

Catlog.java

31

```
import java.sql.*;
import java.io.*;
import java.util.*;
import
javax.servlet.*;
import javax.servlet.http.*;
```

```
public class login extends HttpServlet
{
    public void service(HttpServletRequest req, HttpServletResponse
resp) throws ServletException, IOException
    {
        PrintWriter pw=resp.getWriter();
        pw.println("<html><body
bgcolor=\"pink\""); String
title=req.getParameter("title");
        try
        {
            Driver d=new oracle.jdbc.driver.OracleDriver();
            DriverManager.registerDriver(d);
            Connection
con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:orcl","scott","tiger
");
            ;
            Statement stmt=con.createStatement();
            String sqlstmt="select id,password from
login";
            ResultSets=stmt.executeQuery(sqlstmt);
            int flag=0;
            while(rs.next(
))
            {
                pw.println(",div align=\"center\">");
                pw.println("TITLE
                                :"+rs.getString(1)+"<br>
"); pw.println("AUTHOR :"+rs.getString(2)+"<br>");
                pw.println("VERSION :"+rs.getString(3)+"<br>");
                pw.println("PUBLISHER
                                :"+rs.getString(4)+"<br>
"); pw.println("COST
                                :"+rs.getString(5)+"<br>
"); pw.println("</div>");
                flag=1;
            }
            if(flag==0)
            {
                pw.println("SORRY INVALID TITLE TRY AGAIN <br><br>");
                pw.println("<a href=\"/tr/catalog.html\">press HERE to RETRY</a>");
            }
            pw.println("</body></html>");
        }
        catch(Exception e)
        {
            resp.sendError(500,e.toString());
        }
    }
}
```

```
}  
}
```

Profile.java

```
import java.sql.*;  
import java.io.*;  
import java.util.*;  
import  
javax.servlet.*;  
import javax.servlet.http.*;  
public class login extends HttpServlet  
{  
    public void service(HttpServletRequest req, HttpServletResponse  
    resp) throws ServletException, IOException  
    {  
        PrintWriter pw=resp.getWriter();  
        pw.println("<html><body  
        bgcolor=\"pink\""); String  
        id=req.getParamenter("id");  
        try  
        {  
            Driver d=new oracle.jdbc.driver.OracleDriver();  
            DriverManager.registerDriver(d);  
            Connection  
                con=DriverManager.getConnection("jdbc:ora  
                cle:thin:  
                @localhost:1521:orcl","scott","tiger");  
            Statement stmt=con.createStatement();  
            String sqlstmt="select * from login where  
            id="+id+"";  
            ResultSets=stmt.executeQuery(sqlstmt);  
            int flag=0;  
            pw.println("<br><br><br>");  
            while(rs.next())  
            {  
                pw.println("<div align=\"center\">");  
                pw.println("NAME  
                :"+rs.getString(1)+"<br>"  
                );  
                pw.println("ADDRESS:"+rs.getString(2)+"<br  
                >");  
                pw.println("PHONENO  
                :"+rs.getString(3)+"<br>"  
                ); pw.println("</div>");  
                flag=1;  
            }  
            if(flag==0)  
            {
```

```
        pw.println("SORRY INVALID ID TRY AGAIN ID<br><br>");
        pw.println("<a href='\"/tr/profile.html\"'>press HERE to RETRY</a>");
    }
    pw.println("</body></html>");
}
catch(Exception e)
{
    resp.sendError(500,e.toString());
}
}

Order.java 33
import java.sql.*;
import java.io.*;
import java.util.*;
import
javax.servlet.*;
import javax.servlet.http.*;
public class login extends HttpServlet
{
    public void service(HttpServletRequest req, HttpServletResponse
resp) throws ServletException, IOException
    {
        PrintWriter pw=resp.getWriter();
        pw.println("<html><body
bgcolor='\"pink\"'");
        String id=req.getParameter("id");
        String
        pwd=req.getParameter("pwd");
        String
        title=req.getParameter("title");
        String
        count1=req.getParameter("no");
        String
        date=req.getParameter("date");
        String
        cno=req.getParameter("cno");
        int count=Integer.parseInt(count1);
        try
        {
            Driver d=new oracle.jdbc.driver.OracleDriver();
            DriverManager.registerDriver(d);
            Connection
            con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:orcl","scott","tiger
");
            ;
            Statement stmt=con.createStatement();
            String sqlstmt="select id,password from
```

```
login";
ResultSetrs=stmt.executeQuery(sqlstmt);
int
flag=0,amount,x;
while(rs.next())
{
    if(id.equals(rs.getString(1))&&pwd.equals(rs.getString(2)))
    {
        flag=1;
    }
}
if(flag==0)
{
    pw.println("SORRY INVALID ID TRY AGAIN ID<br><br>");
    pw.println("<a href=\\\"/tr/order.html\\\">press HERE to RETRY</a>");

}
else
{
```

```
Statement stmt2=con.createStatement();
```

```
String s="select cost from book where title="+title+""; ResultSet
```

```
rs1=stmt2.executeQuery(s);
```

```
int flag1=0; while(rs1.next())
```

```
{
```

```
    flag1=1;
```

```
    x=Integer.parseInt(rs1.getString(
1));
```

```
    amount=count*x;
```

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

```
    Statement stmt1=con.createStatement();
```

```
    stmt1.executeUpdate("insertintodetailsvalues('"+id+"','"+title
+""+amount+"','"+cno+"')"); pw.println("YOUR ORDER has
taken<br>");
```

```
}
```

```
if(flag1==0)
```

```
{
```

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

```
    pw.println("<a href=\\\"/tr/order.html\\\">press HERE to RETRY</a>");
```

```
}
```

```
}
```

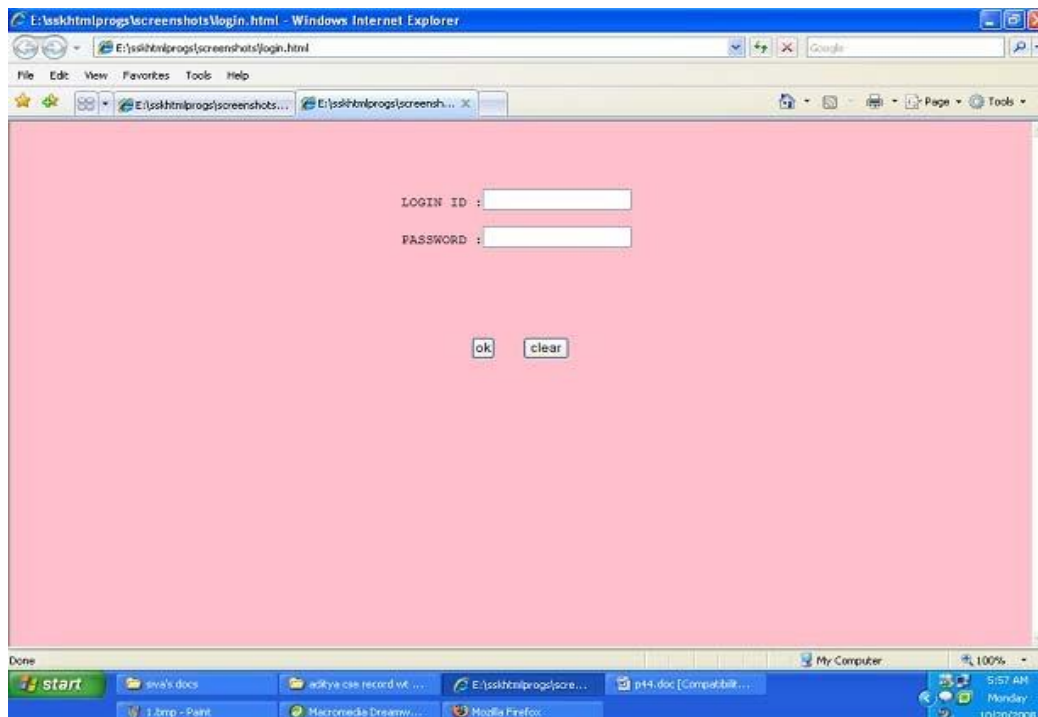
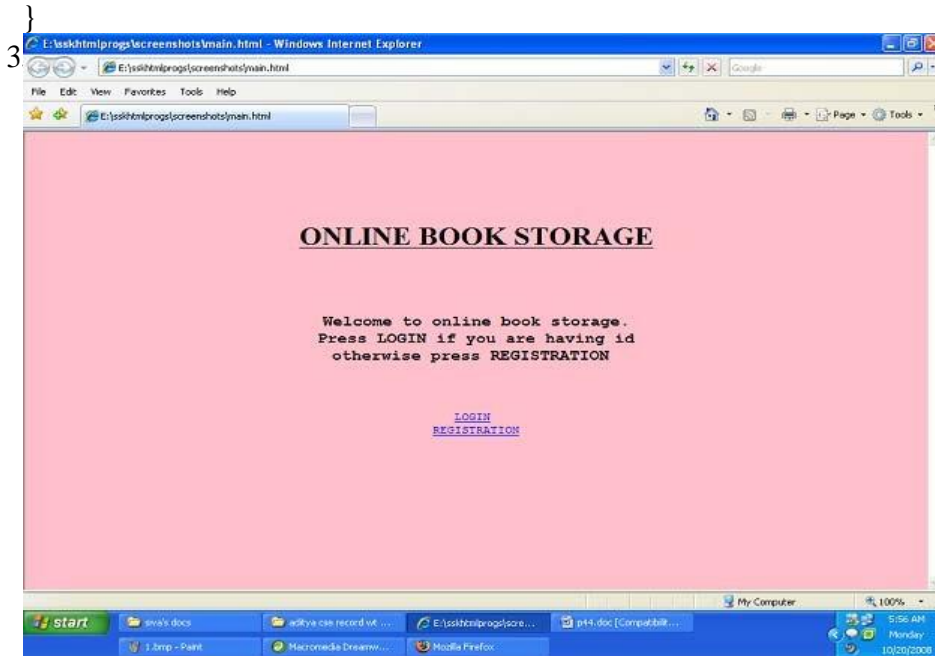
```
pw.println("</body></html>");
```

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

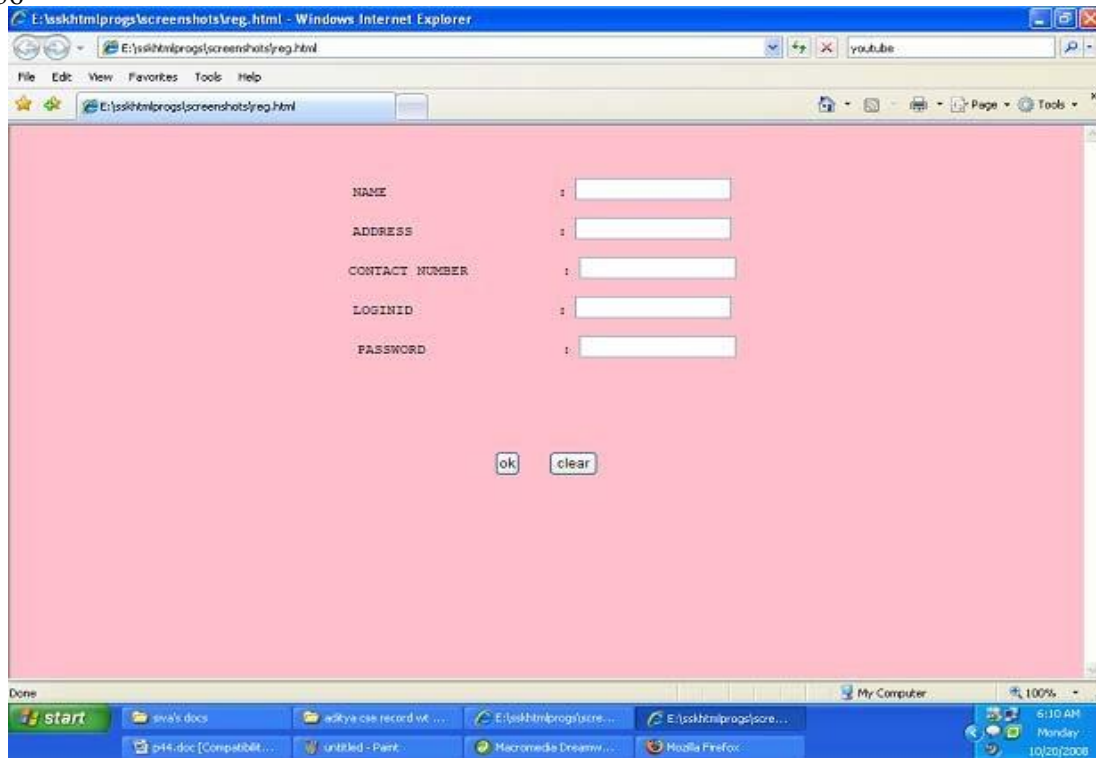
```
}
```



```
catch(Exception e)
{
    resp.sendError(500,e.toString());
}
```



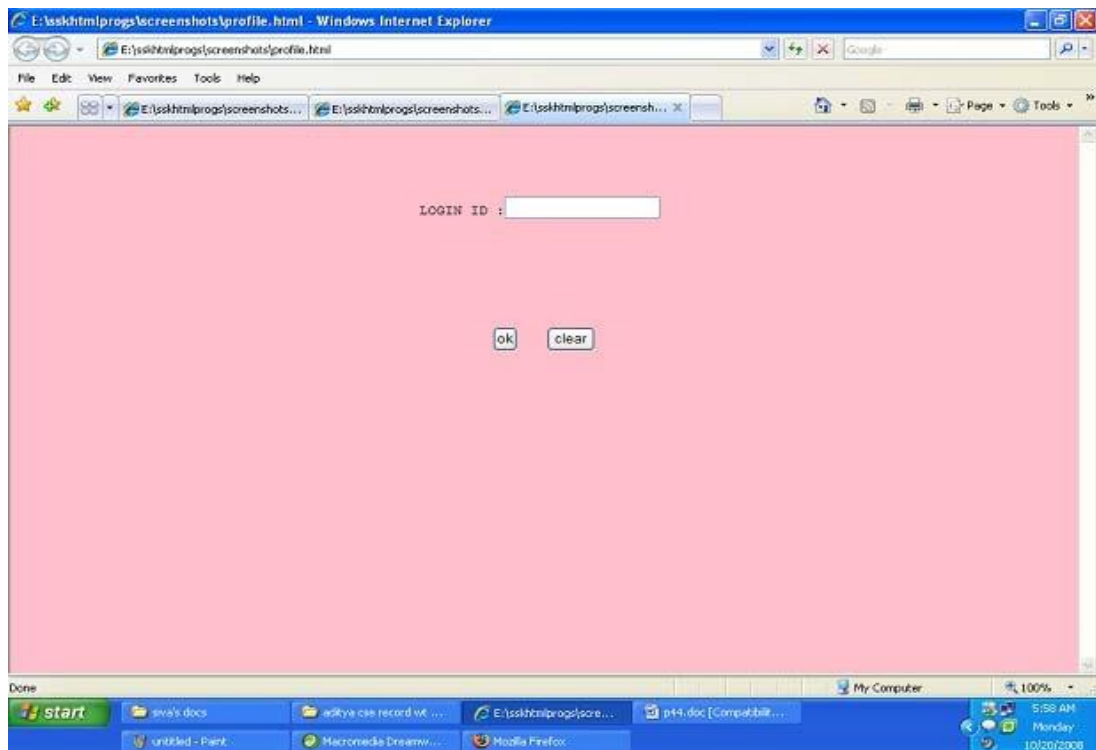
36



Windows Internet Explorer window titled "E:\sskhtmlprogs\screenshots\reg.html". The address bar shows "E:\sskhtmlprogs\screenshots\reg.html". The page content is a registration form with the following fields:

- NAME:
- ADDRESS:
- CONTACT NUMBER:
- LOGINID:
- PASSWORD:

Below the fields are two buttons: "ok" and "clear". The Windows taskbar at the bottom shows the Start button, several open applications (swa's docs, aditya case record, E:\sskhtmlprogs\screenshots\reg.html, E:\sskhtmlprogs\screenshots\profile.html, p14.doc [Compatibility Mode], untitled - Paint, Macromedia Dreamweaver, Mozilla Firefox), and the system clock showing 6:10 AM on Monday, 10/20/2008.



Windows Internet Explorer window titled "E:\sskhtmlprogs\screenshots\profile.html". The address bar shows "E:\sskhtmlprogs\screenshots\profile.html". The page content is a profile page with a single field:

- LOGIN ID:

Below the field are two buttons: "ok" and "clear". The Windows taskbar at the bottom shows the Start button, several open applications (swa's docs, aditya case record, E:\sskhtmlprogs\screenshots\reg.html, E:\sskhtmlprogs\screenshots\profile.html, p14.doc [Compatibility Mode], untitled - Paint, Macromedia Dreamweaver, Mozilla Firefox), and the system clock showing 5:58 AM on Monday, 10/20/2008.

3

E:\sskhtmlprogs\screenshots\catalog.html - Windows Internet Explorer

E:\sskhtmlprogs\screenshots\catalog.html

File Edit View Favorites Tools Help

BOOK TITLE :

ok clear

start | siva's docs | aditya cse record vt ... | E:\sskhtmlprogs\scre... | p44.doc [Compatibit... | 6:13 AM Monday 10/20/2008

E:\sskhtmlprogs\screenshots\order.html - Windows Internet Explorer

E:\sskhtmlprogs\screenshots\order.html

File Edit View Favorites Tools Help

NAME

PASSWORD

TITLE

NO. OF BOOKS

DATE

CREDIT CARD NUMBER

ok clear

start | siva's docs | aditya cse record vt ... | E:\sskhtmlprogs\scre... | E:\sskhtmlprogs\scre... | 6:12 AM Monday 10/20/2008

9. 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.

PROCEDURE:

- 1) Create your own directory under tomcat/webapps (e.g.tr1)
- 2) Copy the html files intr1
- 3) Copy the jsp files also into tr1
- 4) Start tomcat give the following command Catalina.batrun
At install-dir/bin
- 5) at I.E give url as <http://localhost:8081/tr1/main.html>

Main.html:

```
<html>
<body bgcolor="pink">
<br><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="tr/login.html">LOGIN</a><a href="tr/log
in.html">REGISTRATION</a></div></pre>
</body></html>
```

Login.html:

```
<html>  
    <body bgcolor=""pink"><br><br><br>  
    <form name="myform" method="post" action="/tr1/login.jsp">  
    <div align="center"><pre>  
LOGIN ID :<input type="passwors"  
name="pwd"></pre><br><br> PASSWORD : <input  
type="password" name="pwd"></pre><br><br>  
</div>  
<br><br>  
<div align="center">  
    <input 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;&~  
    <input type="reset" value="clear">
```

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

Reg.html:

```
<html>
<body bgcolor="pink"><br><br>
<form name="myform" method="post" action="/tr1/reg.jsp">
  <div align="center"><pre>
    NAME :<input type="text"
    name="name"><br> ADDRESS :<input
    type="text" name="addr"><br>
    CONTACT NUMBER :<input type="text"
    name="phno"><br> LOGINID : <input
    type="text" name="id"><br>
    PASSWORD :<input type="password" name="pwd"></pre><br><br>
  </div>
  <br><br>
  <div align="center">
    <input type="submit" value="ok"
    onClick="validate()"><input
    type="reset" value="clear">
  </div>
</form>
</body>
</html>
```

Profile.html:

```
<html>
<body bgcolor="pink"><br><br>
<form name="myform" method="post" action="/tr1/profile.jsp">
  <div align="center"><pre>
    LOGINID : <input type="text" name="id"><br>
  </pre><br><br>
  </div>
  <br><br>
  <div align="center">
    <input type="submit" value="ok"
    onClick="validate()"><input
    type="reset" value="clear">
  </div>
</form>
</body>
</html>
```

Catalog.html:

```
<html>  
<body bgcolor="pink"><br><br><br>  
<form method="post" action="/tr1/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;&~  
                                <input type="reset" value="clear"  
                                  name="button2"  
                                ">  
</div>  
</form>  
</body>  
</html>
```

Order.html:

[illegible]**Login.jsp:** 41

```
%@page import="java.sql.*"%
%@page import="java.io.*"%
<%
```

```
out.println("<html><body  
bgcolor=\"pink\">"); String
```

```

id=request.getParameter("id");
String
pwd=request.getParameter("pwd");
Driver d=new
oracle.jdbc.driver.OracleDriver();
DriverManager.registerDriver(d);
    Connection
con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:orcl","scott","tiger");
Statement stmt=con.createStatement();
String sqlstmt="select id,password from login where id="+id+" and
password="+pwd+""; ResultSet rs=stmt.executeQuery(sqlstmt);
int flag=0;
while(rs.next()
{
    flag=1;
}
if(flag==0)
{
    out.println("SORRY INVALID ID TRY AGAIN ID<br><br>");
    out.println("<a href='\"/tr1/login.html\"'>press LOGIN to RETRY</a>");
}
else
{
    out.println("VALID LOGIN ID<br><br>");
    out.println("<h3><ul>");
    out.println("<li><a href='\"profile.html\"'><font color='\"black\"'>USER
    PROFILE</font></a></li><br><br>");

    out.println("<li><a href='\"catalog.html\"'><font color='\"black\"'>BOOKS
    CATALOG</font></a></li><br><br>");
    out.println("<li><a href='\"order.html\"'><font color='\"black\"'>ORDER
    CONFIRMATION</font></a></li><br><br>");
    out.println("</ul>");
}
out.println("</body></html>");
%>
42
  
```

Reg.jsp:

```

%@page import="java.sql.*"%
%@page import="java.io.*"%
<%
  
```

```

    out.println("<html><body
    bgcolor='\"pink\"'>"); String
    name=request.getParameter("name");
    String
    addr=request.getParameter("addr");
  
```

```
String
phno=request.getParameter("phno");
String id=request.getParameter("id");
String
pwd=request.getParameter("pwd");
int no=Integer.parseInt(phno);
Driver d=new
oracle.jdbc.driver.OracleDriver();
DriverManager.registerDriver(d);
Connection con=
DriverManager.getConnection
("jdbc:oracle:thin:@localhost:1521:orcl","scott","tiger"); Statement
stmt=con.createStatement();
String sqlstmt="select id from
login";
ResultSetrs=stmt.executeQuery(sql
stmt); int flag=0;
while(rs.next())
{
    if(id.equals(rs.getString(1)))
    {
        flag=1;
    }
}
if(flag==1)
{
    out.println("SORRY LOGIN ID ALREADY EXISTS TRY AGAIN WITH NEW ID <br><br>");
    out.println("<a href='\"/tr1/reg.html\"'>press REGISTER to RETRY</a>");
}
else
{
    Statement stmt1=con.createStatement ();
    stmt1.executeUpdate ("insert into login values
    (+name+",""+addr+",""+no+",""+id+",""+pwd+)"); out.println ("YOU DETAILS
    ARE ENTERED <br><br>");
    out.println ("<a href='\"/tr1/login.html\"'>press LOGIN to login</a>");
}
    out.println ("</body></html>");
%>
Profile.jsp: 43
<%@page import="java.sql.*"%>
<%@page import="java.io.*"%>
<%
    out.println ("<html><body
    bgcolor='\"pink\"'>"); String
    id=request.getParameter("id");
    Driver d=new
    oracle.jdbc.driver.OracleDriver();
    DriverManager.registerDriver(d);
```



```

Connection con=
DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:orcl","s
cott","tiger"); Statement stmt=con.createStatement ();
String sqlstmt="select * from login where
id="+id+""; ResultSets=stmt.executeQuery
(sqlstmt);
int
flag=0;
while(rs.next())
{
    out.println("<div align=\"center\">");
    out.println("NAME
                :"+rs.getString(1)+"<br>"); out.println ("ADDRESS
                :"+rs.getString(2)+"<br>"); out.println
                ("PHONE NO :"+rs.getString(3)+"<br>");
    out.println("</div>");
    flag=1;
}
if(flag==0)
{
    out.println("SORRY INVALID ID TRY AGAIN ID <br><br>");
    out.println("<a href=\"\"tr1/profile.html\">press HERE to RETRY </a>");
}
out.println("</body></html>");
%>
Catalog.jsp:

```

```

<%@page import="java.sql.*"%>
<%@page import="java.io.*"%>
<%
    out.println("<html><body
    bgcolor=\"pink\">"); String
    title=request.getParameter ("title");
    Driver d=new
    oracle.jdbc.driver.OracleDriver ();
    DriverManager.regiserDriver (d);
    Connection con=
    DriverManager.getConnection
    ("jdbc:oracle:thin:@localhost:1521:orcl","scott","tiger"); Statement
    stmt=con.createStatement ();
    String sqlstmt="select * from book where
    title="+title+""; ResultSets=stmt.executeQuery
    (sqlstmt);
    int
    flag=0;
    while(rs.nex
    t())

```

```
{
    out.println("<div align=\"center\">");
    out.println("TITLE
                :"+rs.getString(1)+"<br
                >"); out.println("AUTHOR
                :"+rs.getString(2)+"<br>"); out.println
                ("VERSION:"+rs.getString(3)+"<br>");
    out.println("PUBLISHER :"+
                rs.getString(4)+"<br>"); out.println
                ("COST :"+rs.getString(5)+"<br>");
    out.println("</div>");
    flag=1;
}
if(flag==0)
{
    out.println("SORRY INVALID ID TRY AGAIN ID <br><br>");
    out.println("<a href=\"\"tr1/catalog.html\">press HERE to RETRY </a>");
}

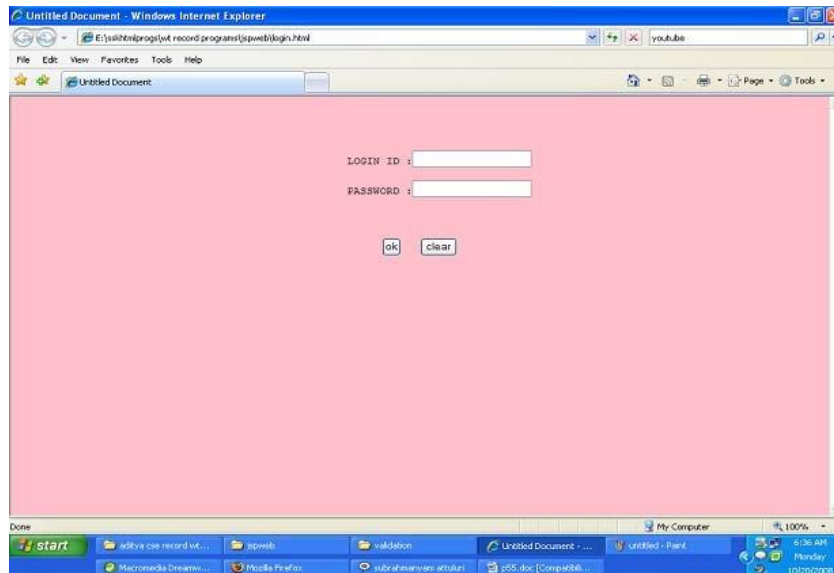
out.println("</body></html>");
%>
```

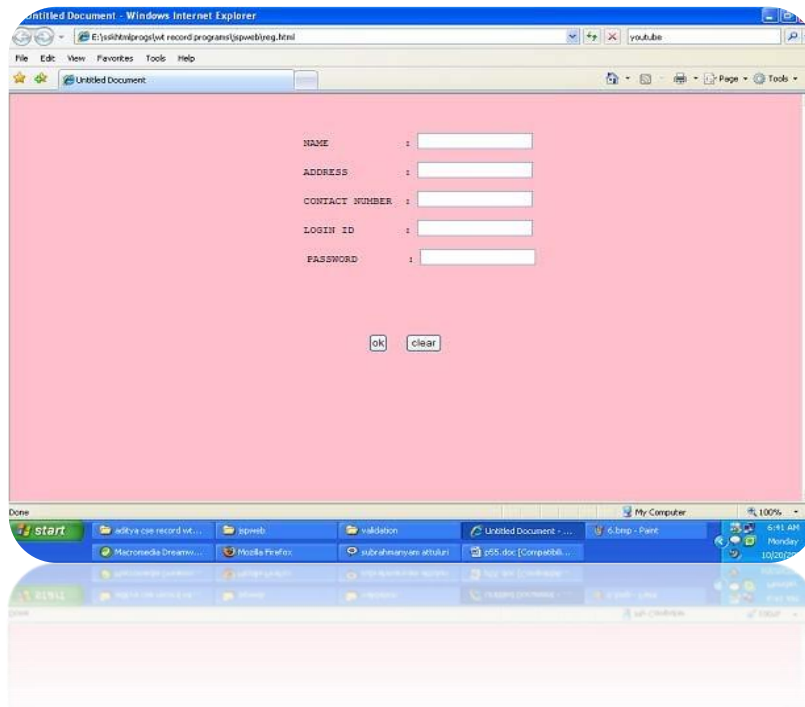
Order.jsp:

```
<%@page import="java.sql.*"%>
<%@page import="java.io.*"%>
<%
    out.println("<html><body
    bgcolor=\"pink\">"); String
    id=request.getParameter ("id");
    String pwd=request.getParameter
    ("pwd"); String
    title=request.getParameter ("title");
    String count1=request.getParameter
    ("no"); String
    date=request.getParameter ("date");
    String cno=request.getParameter
    ("cno"); int
    count=Integer.parseInt(count1);
    Driver d=new
    oracle.jdbc.driver.OracleDriver ();
    DriverManager.regiserDriver (d);
    Connection con=
    DriverManager.getConnection
    ("jdbc:oracle:thin:@localhost:1521:orcl","scott","tiger"); Statement
    stmt=con.createStatement ();
    String sqlstmt="select id, password
    from login";
    ResultSets=stmt.executeQuery
    (sqlstmt);
```

```
int
flag=0,amount,x;
while(rs.next())
{
    if(id.equals(rs.getString(1))&&pwd.equals(rs.getString(2)))
    {
        flag=1;
    }
}
if(flag==0)
{
    out.println("SORRY INVALID ID TRY AGAIN ID <br><br>");
    out.println("<a href='\"/tr1/order.html\"'>press HERE to RETRY </a>");
}
else
{
    Statement stmt2=con.createStatement();
    String s="select cost from book where
    title='"+title+"'"; ResultSet
    rs1=stmt2.executeQuery(s);
    int flag1=0;
    { while(rs1.next())

        flag1=1;
        x=Integer.parseInt(rs1.getString(1)); amount=count*x;
        out.println("AMOUNT
        :"+amount+"<br><br><br><br>"); Statement
    } stmt1=con.createStatement ();
    stmt1.executeUpdate ("insert into details
    ("+"id+", "+"title+", "+"amount+", "+"date+", "+"cno+")"); out.println ("YOU
    ORDER HAS TAKEN<br>");
    if(flag1==0)
    {
        out.println("SORRY INVALID BOOK TRY AGAIN <br><br>");
        out.println("<a href='\"/tr1/order.html\"'>press HERE to RETRY </a>");
    }
}
    out.println ("</body></html>");%>
```





Untitled Document - Windows Internet Explorer

E:\ss\html\prog\ut record\programs\jspweb\reg.html

File Edit View Favorites Tools Help

Untitled Document

NAME :

ADDRESS :

CONTACT NUMBER :

LOGIN ID :

PASSWORD :

ok clear

Done

start

aditya cse record ut...

jspweb

validation

Untitled Document - ...

6.bmp - Paint

My Computer

100%

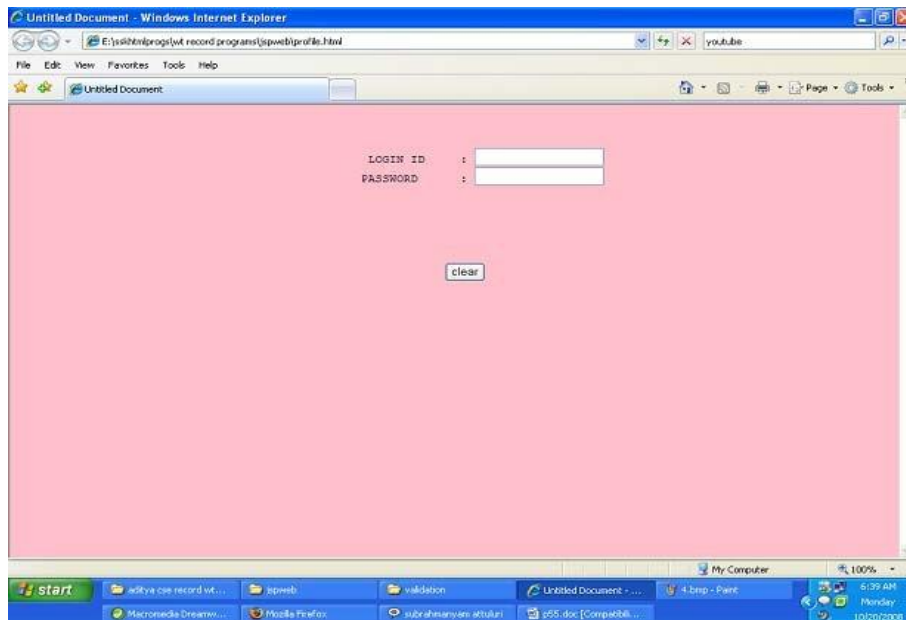
Monday 10/20/2008

Macromedia Dreamweaver...

Mozilla Firefox

subrahmanyam attuluri

p55.doc [Compatib...



Untitled Document - Windows Internet Explorer

E:\ss\html\prog\ut record\programs\jspweb\profile.html

File Edit View Favorites Tools Help

Untitled Document

LOGIN ID :

PASSWORD :

clear

Done

start

aditya cse record ut...

jspweb

validation

Untitled Document - ...

4.bmp - Paint

My Computer

100%

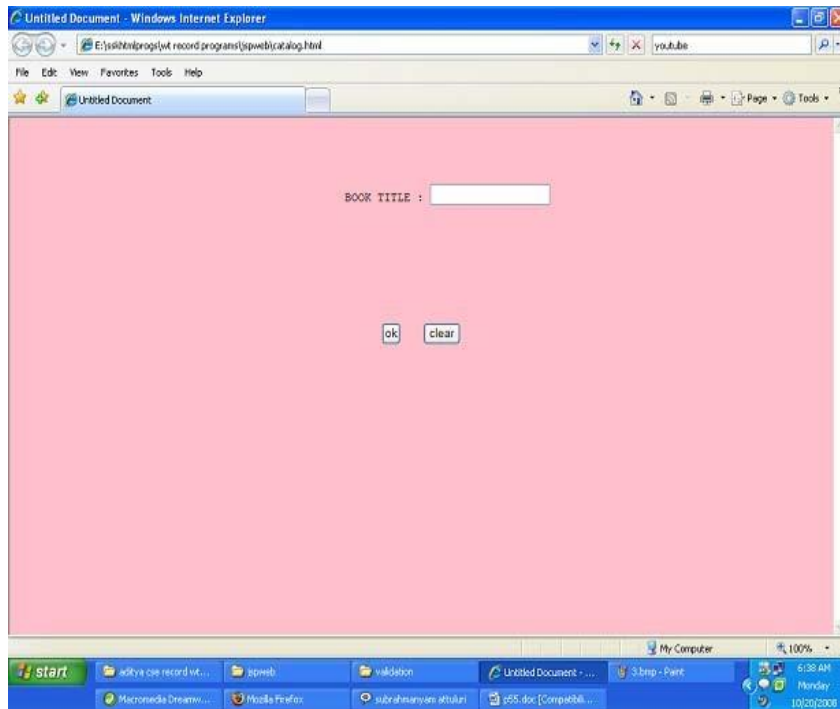
Monday 10/20/2008

Macromedia Dreamweaver...

Mozilla Firefox

subrahmanyam attuluri

p55.doc [Compatib...



Untitled Document - Windows Internet Explorer

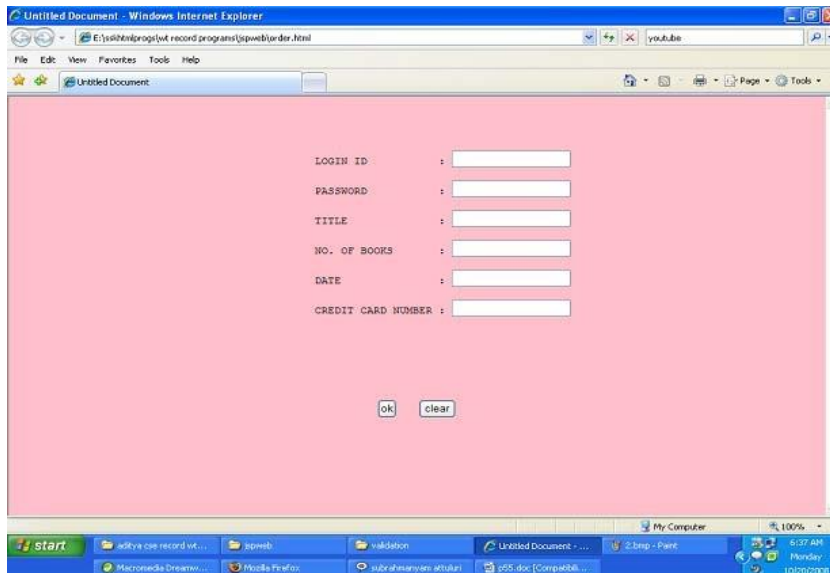
E:\ssihnl\prog\vt record programs\spweb\catalog.html

File Edit View Favorites Tools Help

BOOK TITLE :

ok clear

start | aditya cse record vt... | spweb | validation | Untitled Document - ... | 3.bsp - Paint | 6:38 AM Monday 10/20/2008



Untitled Document - Windows Internet Explorer

E:\ssihnl\prog\vt record programs\spweb\order.html

File Edit View Favorites Tools Help

LOGIN ID :

PASSWORD :

TITLE :

NO. OF BOOKS :

DATE :

CREDIT CARD NUMBER :

ok clear

start | aditya cse record vt... | spweb | validation | Untitled Document - ... | 3.bsp - Paint | 6:37 AM Monday 10/20/2008