

Experiment - 3.2

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Branch: CSE
Semester: 5th
Subject Name: PBLJ Lab

UID: 20BCS9256
Section/Group: 616 'B'
Date of Performance: 03/11/22
Subject Code: 20CSP-321

1. **Aim:** To create a code for an application for online auction using Servlet and JSP.

2. **Software Requirements:**
Eclipse IDE - (Java)

3. Code:

Input.html:

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Home Page</title>
</head>
<body>
<form action="index.jsp">
<fieldset style="width:40%; background-color:#b3d1ff">
<h1>Welcome to AP Auction. Enter your Bid:</h1>
<table>
<tr>
<td>Item ID:</td>
<td> <input type="text" name="t1" value=""></td>
</tr>
<tr>
<td>Item Name: </td>
<td><input type="text" name="t2" value=""></td> </tr>
<tr>
```

```

<td>Your Name:</td>
<td> <input type="text" name="t3" value=""></td>
</tr>
<tr>
<td>Your Email Address: </td>
<td><input type="text" name="t4" value=""></td>
</tr>
<tr>
<td>Amount Bid: </td>
<td><input type="text" name="t5" value=""></td> </tr>
</table>
Auto-increment bid to match other bidders?<input type="checkbox" name="a1"
value="" ><br>
<table>
<tr>
<td></td>
<td><input type="submit" name="result" value="Check result!"></td> </tr>
</table>
</fieldset>
</form>
</body> </html>

```



```

<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Home Page</title>
</head>
<body>
<form action="index.jsp">
<fieldset style="width:40%; background-color:#b3d1ff">
<h1>Welcome to AP Auction. Enter your Bid:</h1>
<table>
<tr>
<td>Item ID:</td>
<td> <input type="text" name="t1" value=""></td>
</tr>
<tr>
<td>Item Name: </td>
<td><input type="text" name="t2" value=""></td> </tr>
<tr>
<td>Your Name:</td>
<td> <input type="text" name="t3" value=""></td>
</tr>
<tr>

```

```
<td>Your Email Address: </td>
<td><input type="text" name="t4" value=""></td>
</tr>
<tr>
<td>Amount Bid: </td>
<td><input type="text" name="t5" value=""></td> </tr>
</table>
Auto-increment bid to match other bidders?<input type="checkbox" name="a1" value="" ><br>
<table>
<tr>
<td></td>
<td><input type="submit" name="result" value="Check result!"></td> </tr>
</table>
</fieldset>
</form>
</body> </html>
```

Index.jsp

```
<% @ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"
errorPage="error.jsp"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<fieldset style="width:33%; background-color:yellow">
<h1 style="text-align:center; font-size:30px">Bid Submitted</h1> <h2 style="text-align:center; font-size:15px">your bid is
now active.If your bid is successful,you will be notified within 24 hours of the close of
bidding</h2>
<table cellpadding="1" cellspacing="1" border="1"
width="200" height="200" align="center">
<tr>
<td style="font-size:30px;font-weight:bold;background:black;color:white;text-align:center"><%= request.getParameter("t2")%></td>
</tr>
<tr >
```

```
<td style="font-size:15px;fontweight:bold;textalign: center">Item ID:<%=
request.getParameter("t1")%></td>
</tr>
<tr>
<td style="font-size:15px;fontweight:bold;textalign: center">Name:<%=
request.getParameter("t3")%></td>
</tr>
<tr>
<td style="font-size:15px;fontweight:bold;textalign: center">Email:<%=
request.getParameter("t4")%></td>
</tr>
<tr>
<td style="font-size:15px;font-
weight:bold;textalign: center">Amount:<%= request.getParameter("t5")%> </td>
</tr>
</table>
</fieldset>
<%
String s1=request.getParameter("t1");
String s2=request.getParameter("t2");
String s3=request.getParameter("t3");
String s4=request.getParameter("t4"); String s5=request.getParameter("t5");
if(s1 == null || "".equals(s1) || s2 == null ||
"".equals(s2) || s3 == null || "".equals(s3) || s4 == null ||
"".equals(s4) || s5 == null || "".equals(s5)){
throw new ServletException("Mandatory
Parameter missing"); } %>
</body> </html>
```

```

</head>
<body>
<fieldset style="width:33%; background-color:yellow">
<h1 style="text-align:center; font-size:30px">Bid Submitted</h1> <h2 style="text-align:center; font-size:15px">your bid is
now active.If your bid is successful,you will be notified within 24 hours of the close of bidding</h2>
<table cellpadding="1" cellspacing="1" border="1"
width="200" height="200" align="center">
<tr>
<td style="font-size:30px;font-weight:bold;background:black;color:white;text-align:
center"><%= request.getParameter("t2") %></td>
</tr>
<tr>
<td style="font-size:15px;font-weight:bold;text-align: center">Item ID:<%= request.getParameter("t1") %></td>
</tr>
<tr>
<td style="font-size:15px;font-weight:bold;text-align: center">Name:<%=
request.getParameter("t3") %></td>
</tr>
<tr>
<td style="font-size:15px;font-weight:bold;text-align: center">Email:<%= request.getParameter("t4") %></td>
</tr>
<tr>
<td style="font-size:15px;font-
weight:bold;text-align: center">Amount:<%= request.getParameter("t5") %> </td>
</tr>
</table>
</fieldset>
<div>
String s1=request.getParameter("t1");
String s2=request.getParameter("t2");
String s3=request.getParameter("t3");
String s4=request.getParameter("t4"); String s5=request.getParameter("t5");
if(s1 == null || "".equals(s1) || s2 == null ||
"".equals(s2) || s3 == null || "".equals(s3) || s4 == null ||
"".equals(s4) || s5 == null || "".equals(s5)){
throw new ServletException("Mandatory
Parameter missing"); } %>
</div> </body> </html>

```

Error.jsp

```

<% @ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"
isErrorPage="true"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<% if(response.getStatus() == 500){ %>
<font color="red">Error: <%=exception.getMessage()
%></font><br>
<%-- include login page --%>
<% @ include file="index.html"
%> <% }

```

```
else { %>
<%=response.getStatus() %><br>
Please go to <a href="/index.html">home page</a>
<% } %>
</body>
</html>
```



```
<%% page language="java" contentType="text/html; charset=ISO-8859-1" pageEncoding="ISO-8859-1"
isErrorPage="true"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<% if(response.getStatus() == 500){ %>
<font color="red">Error: <%=exception.getMessage() %>
<%></font><br>
<!-- include login page --%>
<%% include file="index.html" %>
<%>
<%=response.getStatus() %><br>
Please go to <a href="/index.html">home page</a>
<%>
</body>
</html>
```

Web.xml

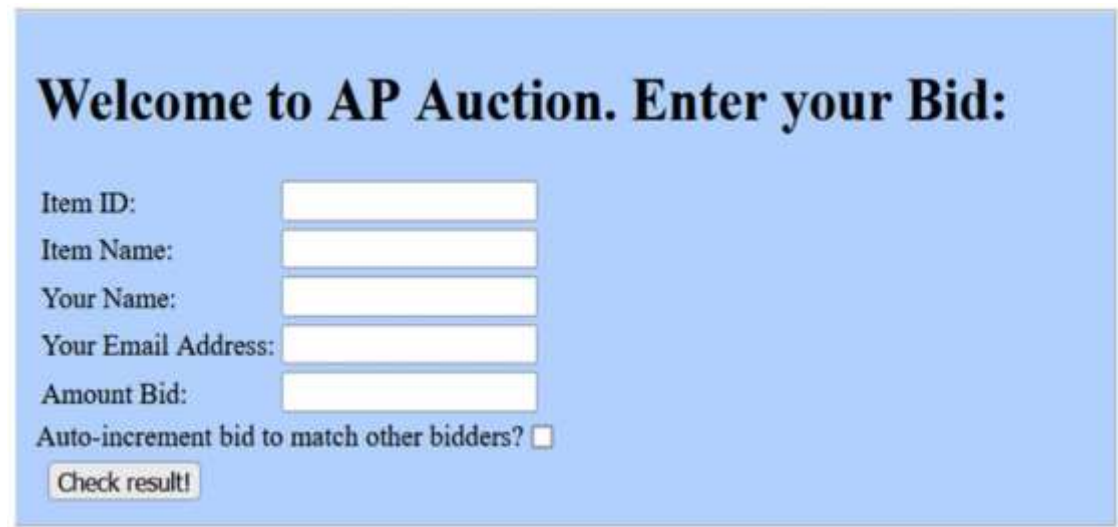
```
<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns:xsi="https://www.w3.org/2001/XMLSchema-instance"
xmlns="https://java.sun.com/xml/ns/javaee"
xsi:schemaLocation="https://java.sun.com/xml/ns/javaee
https://java.sun.com/xml/ns/javaee/web-app_3_0.xsd" version="3.0">
<display-name>JSPEXceptionHandling</display-name>
<welcome-file-list>
<welcome-file>index.jsp</welcome-file>
</welcome-file-list>
<error-page>
<error-code>404</error-code>
<location>/error.jsp</location>
</error-page>
```

```
<error-page>  
<exception-type>java.lang.Throwable</exception-type> <location>/error.jsp</location>  
</error-page>  
</web-app>
```



```
<?xml version="1.0" encoding="UTF-8"?>  
<web-app xmlns:xsi="https://www.w3.org/2001/XMLSchema-instance" xmlns="https://java.sun.com/xml/ns/javaee"  
  xsi:schemaLocation="https://java.sun.com/xml/ns/javaee  
  https://java.sun.com/xml/ns/javaee/web-app_3_0.xsd" version="3.0">  
  <display-name>JSPExceptionHandling</display-name>  
  <welcome-file-list>  
    <welcome-file>index.jsp</welcome-file>  
  </welcome-file-list>  
  <error-page>  
    <error-code>404</error-code>  
    <location>/error.jsp</location>  
  </error-page>  
  <error-page>  
    <exception-type>java.lang.Throwable</exception-type> <location>/error.jsp</location>  
  </error-page>  
</web-app>
```

4. Output:



Welcome to AP Auction. Enter your Bid:

Item ID:

Item Name:

Your Name:

Your Email Address:

Amount Bid:

Auto-increment bid to match other bidders? ☐

Welcome to AP Auction. Enter your Bid:

Item ID:	<input type="text" value="1"/>
Item Name:	<input type="text" value="CAR"/>
Your Name:	<input type="text" value="Abdul"/>
Your Email Address:	<input type="text" value="akmansoor@gmail.com"/>
Amount Bid:	<input type="text" value="1500"/>
Auto-increment bid to match other bidders? <input type="checkbox"/>	
<input type="button" value="Check result!"/>	

Bid Submitted

your bid is now active.If your bid is successful,you will be notified within 24 hours of the close of bidding

CAR	
Item ID:	1
Name:	Abdul
Email:	akmansoor@gmail.com com
Amount:	1500



Evaluation Grid (To be created per the faculty's SOP and Assessment guidelines):

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.	Worksheet completion including writing learning objectives/Outcomes. (To be submitted at the end of the day).		
2.	Post-Lab Quiz Result.		
3.	Student Engagement in Simulation/Demonstration/Performance and Controls/Pre-Lab Questions.		
	Signature of Faculty (with Date):	Total Marks Obtained:	