Web Technologies Lab Experiments

# image map.html

***File: image\_map.html***

<!DOCTYPE html>  
<html>  
<head><title>Image Map</title></head>  
<body>  
 <h2>Click on the hotspots</h2>  
 <img src="worldmap.jpg" usemap="#worldmap" alt="World Map">  
 <map name="worldmap">  
 <area shape="rect" coords="34,44,270,350" href="usa.html" alt="USA">  
 <area shape="circle" coords="500,200,50" href="india.html" alt="India">  
 </map>  
</body>  
</html>

# css demo.html

***File: css\_demo.html***

<!DOCTYPE html>  
<html>  
<head>  
 <title>CSS Demo</title>  
 <style>  
 .internal-style {  
 color: green;  
 font-size: 20px;  
 }  
 </style>  
 <link rel="stylesheet" type="text/css" href="style.css">  
</head>  
<body>  
 <h1 style="color: red;">Inline CSS Example</h1>  
 <p class="internal-style">This uses internal CSS.</p>  
 <p class="external-style">This uses external CSS.</p>  
</body>  
</html>

# style.css

***File: style.css***

.external-style {  
 color: blue;  
 font-weight: bold;  
}

# form validation.html

***File: form\_validation.html***

<!DOCTYPE html>  
<html>  
<head>  
 <title>Form Validation</title>  
 <script>  
 function validateForm() {  
 let name = document.forms["myForm"]["username"].value;  
 if (name == "") {  
 alert("Name must be filled out");  
 return false;  
 }  
 }  
 </script>  
</head>  
<body>  
 <form name="myForm" onsubmit="return validateForm()">  
 Name: <input type="text" name="username">  
 <input type="submit" value="Submit">  
 </form>  
</body>  
</html>

# LoginServlet.java

***File: LoginServlet.java***

import java.io.\*;  
import javax.servlet.\*;  
import javax.servlet.http.\*;  
  
public class LoginServlet extends HttpServlet {  
 protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {  
 HttpSession session = request.getSession();  
 String username = request.getParameter("username");  
 session.setAttribute("user", username);  
 response.sendRedirect("welcome.jsp");  
 }  
}

# welcome.jsp

***File: welcome.jsp***

<%@ page import="javax.servlet.http.HttpSession" %>  
<%  
 HttpSession session = request.getSession(false);  
 String user = (String) session.getAttribute("user");  
%>  
Welcome, <%= user %>

# exam.jsp

***File: exam.jsp***

<%@ page import="java.sql.\*" %>  
<%  
 String roll = request.getParameter("roll");  
 Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/examdb", "root", "password");  
 PreparedStatement ps = con.prepareStatement("SELECT \* FROM marks WHERE roll\_no=?");  
 ps.setString(1, roll);  
 ResultSet rs = ps.executeQuery();  
  
 if (rs.next()) {  
%>  
 <h2>Marks for <%= roll %></h2>  
 <p>Subject 1: <%= rs.getInt("subject1") %></p>  
 <p>Subject 2: <%= rs.getInt("subject2") %></p>  
<%  
 } else {  
%>  
 <p>No record found</p>  
<%  
 }  
%>

# student.xml

***File: student.xml***

<?xml version="1.0"?>  
<?xml-stylesheet type="text/xsl" href="student.xsl"?>  
<students>  
 <student>  
 <name>John</name>  
 <roll>101</roll>  
 </student>  
</students>

# student.xsl

***File: student.xsl***

<?xml version="1.0"?>  
<xsl:stylesheet version="1.0"  
xmlns:xsl="http://www.w3.org/1999/XSL/Transform">  
<xsl:template match="/">  
<html>  
<body>  
 <h2>Student Info</h2>  
 <table border="1">  
 <tr><th>Name</th><th>Roll</th></tr>  
 <xsl:for-each select="students/student">  
 <tr>  
 <td><xsl:value-of select="name"/></td>  
 <td><xsl:value-of select="roll"/></td>  
 </tr>  
 </xsl:for-each>  
 </table>  
</body>  
</html>  
</xsl:template>  
</xsl:stylesheet>