

# Web Technologies Lab Experiments

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## image map.html

*File: image\_map.html*

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```
<!DOCTYPE html>
<html>
<head><title>Image Map</title></head>
<body>
  <h2>Click on the hotspots</h2>
  
  <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*

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```
<!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*

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

## form validation.html

*File: form\_validation.html*

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```
<!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*

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```

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*

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```

<%@ 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*

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```

<?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>

```

```
</table>  
</body>  
</html>  
</xsl:template>  
</xsl:stylesheet>
```