**WEEK-6**

**AIM*: Adding JSP to HTML forms.***

**THEORY:**

***6.1: JAVA Server Pages (JSP)***

JavaServer Pages (JSP) is a technology for developing Webpages that supports dynamic content.

This helps developers insert java code in HTML pages by making use of special JSP tags, most of

which start with <% and end with %>.

A JavaServer Pages component is a type of Java servlet that is designed to fulfill the role of a user

interface for a Java web application. Web developers write JSPs as text files that combine HTML or

XHTML code, XML elements, and embedded JSP actions and commands.

Using JSP, you can collect input from users through Webpage forms, present records from a

database or another source, and create Webpages dynamically.

JSP tags can be used for a variety of purposes, such as retrieving information from a database or

registering user preferences, accessing JavaBeans components, passing control between pages, and

sharing information between requests, pages etc.

***6.2: Why Use JSP?***

JavaServer Pages often serve the same purpose as programs implemented using the Common

Gateway Interface (CGI). But JSP offers several advantages in comparison with the CGI.

• Performance is significantly better because JSP allows embedding Dynamic Elements in

HTML Pages itself instead of having separate CGI files.

• JSP are always compiled before they are processed by the server unlike CGI/Perl which

requires the server to load an interpreter and the target script each time the page is requested.

• JavaServer Pages are built on top of the Java Servlets API, so like Servlets, JSP also has

access to all the powerful Enterprise Java APIs, including JDBC, JNDI, EJB, JAXP, etc.

• JSP pages can be used in combination with servlets that handle the business logic, the model

supported by Java servlet template engines.

**SOURCE CODE:**

**Signup.html:**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<meta http-equiv="X-UA-Compatible" content="ie=edge">

<title> Lifestyle Store </title>

<link href="style.css" rel="stylesheet" type="text/css"/>

<script src="js/scripts.js"></script>

</head>

<body>

<div class="topnav" id="myTopnav" style="position: fixed;">

<a href="index.html" class="active" style="padding-right: 50px;">Urban Trap</a>

<a href="products.html">Products</a>

<a href="login.html">Login</a>

<a href="signup.html">Sign Up</a>

<a href="javascript:void(0);" style="font-size:15px;" class="icon" onclick="myFunction()">&#9776;</a>

</div>

<br><br><br>

<div class="content login">

<center style="vertical-align: center;">

<br>

<b><h1 style="color: blue;">Sign Up</h1></b>

<form id="myForm" class="form" action="conf.jsp" method="post">

<div class="form-group">

<input type="text" name="name" id="name" class="form-control" placeholder=" Name">

</div>

<div class="form-group">

<input type="Email" name="email" id="email" class="form-control" placeholder=" Email Id">

</div>

<div class="form-group">

<input type="password" id="password" class="form-control" name="password" placeholder=" Password">

</div>

<div class="form-group">

<input type="text" name="contact" id="contact" class="form-control" placeholder=" Contact">

</div>

<div class="form-group">

<input type="text" name="address" id="address" class="form-control" placeholder=" Address">

</div>

<center><button type="submit" class="btn btn-primary" name="submit">Submit</button></center>

</form>

<p>Already have an account? <a href="login.html" style="color: blue;">Login</a></p>

</center>

</div>

<footer style="position: absolute; bottom: 0; width: 100%;">

<div>

<center>

<p>

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</p>

</center>

</div>

</footer>

<script>

var stre = document.forms["myForm"]["email"].value;

if (!(stre.match(/^\w+([\.-]?\w+)\*@\w+([\.-]?\w+)\*(\.\w{2,3})+$/))) {

alert("Invalid email-id");

return false;

}

var strp = document.getElementById("password").value;

if(strp.length>5){

if (!(strp.match(/(?=.\*\d)(?=.\*[a-z])(?=.\*[A-Z]).{6,}/))) {

alert("Password must contain\none uppercase\none lowercase\none number");

return false;

}

}

else{

alert("password must be atleast 6 character long");

return false;

}

}

</script>

</body>

</html>

**Conf.jsp:**

<!DOCTYPE html>

<%@ page import = "java.io.\*,java.util.\*" %>

<html>

<head>

</head>

<body>

<h1 style="color:black;text-align:center">CONFIRMATION</h1>

<hr>

<h3>Dear <%out.print(request.getParameter("Name"));%>,</h3>

<p>we are pleased to have you as a part of Urban Trap.</p>

<p>please confirm your details:</br> <br>email address : <span style="background:yellow"> <%out.print(request.getParameter("email"));%></span><p>

</body>

</html>