J S P

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Agenda

- **Introduction to JSP Technology**

- **JSP Directives**

- **JSP Implicit Objects**

- **JSP Standard Actions**

JSP

- Embedding java code into tags

- Separation of Presentation from Business logic

- Template based content generation

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Three types of predefined tags:

- Directives

- Scripting elements

- Actions

JSP Elements

Element	• Syntax
Declaration	• <% ! JSP declaration %>
Expression	• <%= java expression %>
JSP Scriptlet	• <% java statements %>
JSP Directive	• <% @ …….%>
JSP Comment	• <%- - JSP Comment - -%>

JSP Directives

The general syntax for JSP Directives

<%@ directive [---] %>

- @Page   : Controls JSP Page properties

- @include : Includes content of a file into JSP page at
                    translation time

- @taglib   :   Makes a custom tag library available within
                    JSP

Page Directive Attributes

- import

- language

- extends

- session

- buffer

- autoflush

- isThradSafe

- Info

- errorPage

- isErrorPage

- contentType

Include directive

Syntax:

<%@ include file= "file name" %>

Implicit Objects

Object	Class
application	javax.servlet.ServletContext
config	javax.servlet.ServletConfig
exception	java.lang.Throwable
out	javax.servlet.jsp.JspWriter
page	java.lang.Object
PageContext	javax.servlet.jsp.PageContext
request	javax.servlet.ServletRequest
response	javax.servlet.ServletResponse
session	javax.servlet.http.HttpSession

JSP Standard Actions

Action element	Description
<jsp:useBean>	Makes a JavaBeans component available in a page
<jsp:getProperty>	Gets a property value from a JavaBeans component and adds it to the response
<jsp:setProperty>	Sets a JavaBeans component property value

JSP Standard Actions

Action element	Description
<jsp:include>	Includes the response from a servlet or JSP page during the request processing phase
<jsp:forward>	Forwards the processing of a request to servlet or JSP page
<jsp:param>	Adds a parameter value to a request handed off to another servlet or JSP page using <jsp:include> or <jsp:forward>
<jsp:plugin>	Generates HTML that contains the appropriate browser-dependent elements (OBJECT or EMBED) needed to execute an applet with the Java Plug-in software

Any Questions?