

DEZVOLTAREA APLICATIILOR WEB

CURS 4

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- suport (The Java EE 5Tutorial)
 - Capitolul 9 – Scripting in JSP Pages

- Container care suporta orice limbaj de script ce foloseste obiecte Java
 - `<%@ page language="scripting-language" %>`
- elementele de scripting sunt convertite in instructiuni in interiorul servletului paginii JSP
- declaratii de import necesare
 - `<%@ page import="fully-qualified-classname, packagename.*" %>`

- default = valid
- web.xml
 - jsp-property-group
 - scripting-invalid
 - true | false
 - default = false

- declarare de variabile si metode
- se traduc in declaratii Java in interiorul clasei servletului generat
 - `<%! scripting-language-declaration %>`

- initializarea si finalizarea paginii JSP
 - customizarea metodelor de `init()` si `destroy()`
 - citirea configurarii persistentei
 - initializare resurse
 - alte actiuni “one-time”
 - suprascrierea metodelor din interfata `JspPage`
 - `jspInit()`, `jspDestroy()`

➤ initializarea si finalizarea paginii JSP

```
<%!  
private BookDBAO bookDBAO;  
public void jspInit() {  
    bookDBAO =  
    (BookDBAO) getServletContext().getAttribute("bookDB");  
    if (bookDBAO == null)  
        System.out.println("Couldn't get database.");  
}  
%>
```

```
<%!  
public void jspDestroy() {  
    bookDBAO = null;}  
%>
```

- fragment valid dpdv al limbajului folosit intr-o pagina

```
<%  
    scripting-language-statements  
%>
```

- secventa de instructiuni Java inclusa in servletul generat, in metoda de `service()`

- variabilele definite – vizibile in toata pagina JSP

- **Ex**

```
<%  
String username = request.getParameter("username");  
if ( username != null && username.length() > 0 ) {  
%>  
    <%@include file="response.jsp" %>  
%>  
}
```


- insereaza valoarea unei expresii a limbajului de scripting
 - conversie catre String
 - inserare in obiectul implicit `out`
 - fara “;” la sfarsit

```
<%= scripting-language-expression %>
```

➤ Ex

```
<%  
String resp = null;  
try {  
    Hello hello = new HelloService().getHelloPort();  
    resp = hello.sayHel  
    lo(request.getParameter("username"));  
} catch (Exception ex) {  
    resp = ex.toString();  
}  
%>  
...  
<h2><font color="black"><%= resp %>!</font></h2>
```

- OCEJWCD Study Companion: Certified Expert Java EE 6 Web Component Developer (Oracle Exam 1Z0-899)
- August 2005
- By Charles Lyons
- ghid de studiu pentru candidatul la certificarea Oracle “Java EE Web Component Developer”
- usor de parcurs
- contine: teorie, exemple tips&tricks



- JSP
- scripting
- out
- expresie
- scriptlet

RESURSE UTILE

- https://education.oracle.com/pls/web_prod-plq-dad/db_pages.getpage?page_id=653&get_params=p_id:187
- <http://freecomputerbooks.com/The-J2EE-Architects-Handbook.html>
- <http://freecomputerbooks.com/Java-Enterprise-Performance.html>