Java Servlets – Request, Init and Context Parameters

Presented by

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# Handling User Request

- Client sends the request

- Server receives the request and sends it to corresponding servlet

- Servlet receives the request data from the Server

- Example:

```html
<form action="LoginServlet">
    <center>
        User Id : <input type="text" name="userid">
        Password : <input type="password" name="password">
        <input type="submit" value="Login">
        <input type="reset" value="Reset">
    </center>
</form>
```

# Request Parameters

**LoginServlet.java**

**request.getParameter(…)** retrieves data from form parameter

```
String username=null,password=null;
username=request.getParameter("userid");
password=request.getParameter("password");

out.println("<h3> User Name : " + username + "</h3>");
out.println("<h3> Password  : " + password + "</h3>");
```

**Example

# Servlet Config

•An object of **ServletConfig** is created by the web container for each servlet.

•This object can be used to get configuration information from **web.xml** file.

•If the configuration information is modified from the web.xml file, we don't need to change the servlet.

•So it is easier to manage the web application if any specific content is modified from time to time.

# Servlet Config

- Init Parameters are built-in parameters that belongs to a *single servlet*

- These parameters are configured in **web.xml**

Example :

```
<servlet>
<servlet-name>InitParamServlet</servlet-name>
<servlet-class>InitParamServlet</servlet-class>
  <init-param>
        <param-name>city</param-name>

        <param-value>Bangalore</param-value>
  </init-param>
</servlet>

<servlet-mapping>
        …….
</servlet-mapping>
```

- Servlet Code

```
ServletConfig config=getServletConfig();
String city=config.getInitParameter("city");

out.print("City is  "+city);
```

# Servlet Context

•Servlet context information can be shared by all Servlets in an application

•All Servlets can use these parameters.

•These parameters are configured in web.xml

Ex:

```
<context-param>

    <param-name>username</param-name>
    <param-value>SaMaVeRa</param-value>

</context-param>
```

Every servlet in the application can use these parameters.

The Servlet code

```
ServletContext context = getServletContext();
userName = context.getInitParameter("username");
password = context.getInitParameter("password");
out.println("<html><head><title>First Servlet...!</title></head>");
out.println("<body>Username is  <b>" + userName);
out.println("</b><br>assword is  <b>" + password + "</b>");
out.println("</body></html>");
```