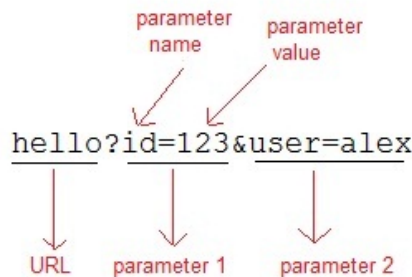# SERVLET TECHNOLOGY

SEE THE INDEX

Using URL Rewriting for Session Management

If the client has disabled cookies in the browser then session management using cookie wont work. In that case **URL Rewriting** can be used as a backup. **URL rewriting** will always work.

In URL rewriting, a token(parameter) is added at the end of the URL. The token consist of name/value pair seperated by an `equal(=)` sign.

For Example:

When the User clicks on the URL having parameters, the request goes to the **Web Container** with extra bit of information at the end of URL. The **Web Container** will fetch the extra part of the requested URL and use it for session management.

The `getParameter()` method is used to get the parameter value at the server side.

Example demonstrating usage of URL rewriting

Below mentioned files are required for the example:

index.html

```
<form method="post" action="validate">
  Name:<input type="text" name="user" /><br/>
  Password:<input type="text" name="pass" ><br/>
  <input type="submit" value="submit">
</form>
```

web.xml

```
<web-app...>

    <servlet>
        <servlet-name>validate</servlet-name>
        <servlet-class>MyServlet</servlet-class>
    </servlet>
    <servlet-mapping>
        <servlet-name>validate</servlet-name>
        <url-pattern>/validate</url-pattern>
    </servlet-mapping>

    <servlet>
        <servlet-name>First</servlet-name>
        <servlet-class>First</servlet-class>
    </servlet>
    <servlet-mapping>
        <servlet-name>First</servlet-name>
        <url-pattern>/First</url-pattern>
    </servlet-mapping>

    <welcome-file-list>
        <welcome-file>index.html</welcome-file>
    </welcome-file-list>

</web-app>
```

MyServlet.java

```java
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class MyServlet extends HttpServlet {

  protected void doPost(HttpServletRequest request, HttpServletResponse response)
          throws ServletException, IOException {
      response.setContentType("text/html;charset=UTF-8");
      String name = request.getParameter("user");
      String pass = request.getParameter("pass");

      if(pass.equals("1234"))
      {
          response.sendRedirect("First?user_name="+name+"");
      }
    }
}
```

First.java

```java
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class First extends HttpServlet {

  protected void doGet(HttpServletRequest request, HttpServletResponse response)
          throws ServletException, IOException {
      response.setContentType("text/html;charset=UTF-8");
      PrintWriter out = response.getWriter();
      String user = request.getParameter("user_name");
      out.println("Welcome "+user);
    }
}
```