

## Phase-2 Practice Project: Assisted Practice

8. Write a program to demonstrate Session Tracking using Hidden Form Fields.

Web.xml:

```
<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://xmlns.jcp.org/xml/ns/javaee"
xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee
http://xmlns.jcp.org/xml/ns/javaee/web-app_4_0.xsd" id="WebApp_ID" version="4.0">
  <display-name>FormFieldsTracking</display-name>
  <welcome-file-list>
    <welcome-file>index.html</welcome-file>
    <welcome-file>index.htm</welcome-file>
    <welcome-file>index.jsp</welcome-file>
    <welcome-file>default.html</welcome-file>
    <welcome-file>default.htm</welcome-file>
    <welcome-file>default.jsp</welcome-file>
  </welcome-file-list>

  <servlet>
    <servlet-name>LoginServlet</servlet-name>
    <servlet-class>LoginServlet</servlet-class>
  </servlet>
  <servlet>
    <servlet-name>Dashboard</servlet-name>
    <servlet-class>Dashboard</servlet-class>
  </servlet>

  <servlet-mapping>
    <servlet-name>Dashboard</servlet-name>
    <url-pattern>/dashboard</url-pattern>
  </servlet-mapping>
  <servlet-mapping>
    <servlet-name>LoginServlet</servlet-name>
    <url-pattern>/login</url-pattern>
  </servlet-mapping>
</web-app>
```

Login:

```
import java.io.*;
import java.io.PrintWriter;

import javax.servlet.*;
import javax.servlet.annotation.*;
```

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

```
/**
 * Servlet implementation class LoginServlet
 */
@WebServlet("/LoginServlet")
public class LoginServlet extends HttpServlet {
    private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public LoginServlet() {
        super();
        // TODO Auto-generated constructor stub
    }

    /**
     * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse
     response)
     */
    protected void doGet(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
        // TODO Auto-generated method stub
        PrintWriter out = response.getWriter();
        out.println("<html><body>");

        String userId = request.getParameter("userid");
        //creating a new hidden form field
        out.println("<form action='dashboard' method='post'>");
        out.println("<input type='hidden' name='userid' id='userid' value='"+userId+"'>");
        out.println("<input type='submit' value='submit' >");
        out.println("</form>");
        out.println("<script>document.forms[0].submit();</script>");

    }

    /**
     * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse
     response)
     */
    protected void doPost(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
        // TODO Auto-generated method stub
        doGet(request, response);
    }
}
```

```
    }  
}
```

Dashboard:

```
import java.io.*;  
import javax.servlet.*;  
import javax.servlet.annotation.*;  
import javax.servlet.http.*;  
  
/**  
 * Servlet implementation class Dashboard  
 */  
@WebServlet("/Dashboard")  
public class Dashboard extends HttpServlet {  
    private static final long serialVersionUID = 1L;  
  
    /**  
     * @see HttpServlet#HttpServlet()  
     */  
    public Dashboard() {  
        super();  
        // TODO Auto-generated constructor stub  
    }  
  
    /**  
     * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse  
     response)  
     */  
    protected void doGet(HttpServletRequest request, HttpServletResponse response)  
    throws ServletException, IOException {  
        // TODO Auto-generated method stub  
  
        PrintWriter out = response.getWriter();  
        out.println("<html><body>");  
        String userId = request.getParameter("userid");  
        if (userId == null) {  
            out.println("No UserId was found in hidden form field.<br>");  
        } else {  
            out.println("UserId found in hidden form field: " + userId + "<br>");  
        }  
        out.println("</body></html>");  
    }  
}
```

```

    }

    /**
     * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse
response)
     */
    protected void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
        // TODO Auto-generated method stub
        doGet(request, response);
    }
}

```

Output:

[Dashboard with hidden form fields login](#)

[Dashboard without hidden form fields login](#)

---

UserId found in hidden form field: admin

---

No UserId was found in hidden form field.

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