we are creating 3 links: login, logout and profile. User can't goto profile page until he/she is logged in. If user is logged out, he need to login again to visit profile.

In this application, we have created following files.

index.html

link.html

login.html

LoginServlet.java

LogoutServlet.java

ProfileServlet.java

web.xml

```html
<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Servlet Login Example</title>

</head>

<body>


<h1>Login App using HttpSession</h1>

<a href="login.html">Login</a>|

<a href="LogoutServlet">Logout</a>|

<a href="ProfileServlet">Profile</a>


</body>
```

</html>

File: link.html

```html
<a href="login.html">Login</a> |
<a href="LogoutServlet">Logout</a> |
<a href="ProfileServlet">Profile</a>
<hr>
```

File: login.html

```html
<form action="LoginServlet" method="post">
Name:<input type="text" name="name"><br>
Password:<input type="password" name="password"><br>
<input type="submit" value="login">
</form>
```

File: LoginServlet.java

```java
import java.io.IOException;
import java.io.PrintWriter;

import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;
```

```java
public class LoginServlet extends HttpServlet {

    protected void doPost(HttpServletRequest request, HttpServletResponse response)
                throws ServletException, IOException {

        response.setContentType("text/html");

        PrintWriter out=response.getWriter();

        request.getRequestDispatcher("link.html").include(request, response);


        String name=request.getParameter("name");

        String password=request.getParameter("password");


        if(password.equals("admin123")){

        out.print("Welcome, "+name);

        HttpSession session=request.getSession();

        session.setAttribute("name",name);

        }
        else{

            out.print("Sorry, username or password error!");

            request.getRequestDispatcher("login.html").include(request, response);

        }
        out.close();

    }
}
```

File: LogoutServlet.java

```java
import java.io.IOException;

import java.io.PrintWriter;


import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

public class LogoutServlet extends HttpServlet {

    protected void doGet(HttpServletRequest request, HttpServletResponse response)

                        throws ServletException, IOException {

        response.setContentType("text/html");

        PrintWriter out=response.getWriter();


        request.getRequestDispatcher("link.html").include(request, response);


        HttpSession session=request.getSession();

        session.invalidate();


        out.print("You are successfully logged out!");


        out.close();

    }

}
```

File: ProfileServlet.java

```java
import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

public class ProfileServlet extends HttpServlet {

    protected void doGet(HttpServletRequest request, HttpServletResponse response)

                throws ServletException, IOException {

        response.setContentType("text/html");

        PrintWriter out=response.getWriter();

        request.getRequestDispatcher("link.html").include(request, response);


        HttpSession session=request.getSession(false);

        if(session!=null){

        String name=(String)session.getAttribute("name");


        out.print("Hello, "+name+" Welcome to Profile");

        }

        else{

            out.print("Please login first");
```

```java
        request.getRequestDispatcher("login.html").include(request, response);

    }

    out.close();

  }

}
```

File: web.xml

```xml
<?xml version="1.0" encoding="UTF-8"?>

<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xmlns="http://java.sun.com/xml/ns/javaee" xsi:schemaLocation="http://java.sun.com/xml/ns/javaee

http://java.sun.com/xml/ns/javaee/web-app_2_5.xsd" id="WebApp_ID" version="2.5">


  <servlet>

    <description></description>

    <display-name>LoginServlet</display-name>

    <servlet-name>LoginServlet</servlet-name>

    <servlet-class>LoginServlet</servlet-class>

  </servlet>

  <servlet-mapping>

    <servlet-name>LoginServlet</servlet-name>

    <url-pattern>/LoginServlet</url-pattern>

  </servlet-mapping>

  <servlet>
```

```xml
      <description></description>

      <display-name>ProfileServlet</display-name>

      <servlet-name>ProfileServlet</servlet-name>

      <servlet-class>ProfileServlet</servlet-class>

  </servlet>

  <servlet-mapping>

      <servlet-name>ProfileServlet</servlet-name>

      <url-pattern>/ProfileServlet</url-pattern>

  </servlet-mapping>

  <servlet>

      <description></description>

      <display-name>LogoutServlet</display-name>

      <servlet-name>LogoutServlet</servlet-name>

      <servlet-class>LogoutServlet</servlet-class>

  </servlet>

  <servlet-mapping>

      <servlet-name>LogoutServlet</servlet-name>

      <url-pattern>/LogoutServlet</url-pattern>

  </servlet-mapping>

</web-app>
```

Login Logout Profile

Sorry, username or password error!

Name:

Password:

submit

Login Logout Profile

Welcome, Rohan Kumar

Login Logout Profile

Hello, Rohan Kumar Welcome to Profile

Login Logout Profile

You are successfully logged out!