li.html

```html
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>link</title>
</head>
<body>
<a href="index.html">Login</a> |
<a href="logout">Logout</a> |
<a href="profile">Profile</a>
<hr>
</body>
</html>
```

List.html

```html
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>LOgin Example</title>
</head>
<body>
<h1>Login Application using HttpSession</h1>
<a href="index.html">Login</a>|
<a href="logout">Logout</a>|
<a href="profile">Profile</a>
</body>
</html>
```

Index.java

```html
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>User login logout</title>
</head>
```

```html
<body>
<form method="post" action="login">
        Email ID:<input type="text" name="username"
/><br/>
        Password:<input type="text" name="password"
/><br/>
        <input type="submit" value="login" />
        </form>
</body>
</html>
```

Login.java

```java
package loginlogout;

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

import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;

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

    /**
     * Default constructor.
     */
    public login() {
    }

    /**
```

```java
    * @see HttpServlet#doPost(HttpServletRequest
request, HttpServletResponse response)
    */
   protected void doPost(HttpServletRequest request,
HttpServletResponse response) throws ServletException,
IOException {

        response.setContentType("text/html");
        PrintWriter out=response.getWriter();

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

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

        if(password.equals("admin123")){
        out.print("Welcome, "+username);
        HttpSession session=request.getSession();
        session.setAttribute("username",username);
        }
        else{
            out.print("Sorry, username or password
error!");

request.getRequestDispatcher("index.html").include(requ
est, response);
        }
        out.close();
    }
   }
```

logout.java

```java
package userlogout;

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

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

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

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

    /**
     * @see HttpServlet#doGet(HttpServletRequest
request, HttpServletResponse response)
     */
    protected void doGet(HttpServletRequest request,
HttpServletResponse response) throws ServletException,
IOException {

         response.setContentType("text/html");
        PrintWriter out=response.getWriter();


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

        HttpSession session=request.getSession();
        session.invalidate();
```

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

            out.close();
    }

}
```

Profile.java

```java
package profile;

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

import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;

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

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

    /**
```

```java
     * @see HttpServlet#doGet(HttpServletRequest
request, HttpServletResponse response)
     */
    protected void doGet(HttpServletRequest request,
HttpServletResponse response) throws ServletException,
IOException {

        response.setContentType("text/html");
        PrintWriter out=response.getWriter();

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

        HttpSession session=request.getSession(false);
      if(session!=null){
        String
username=(String)session.getAttribute("username");

        out.print("Hello, "+username+" Welcome to
Profile");
        }
        else{
            out.print("Please login first");

request.getRequestDispatcher("index.html").include(requ
est, response);
        }
        out.close();
    }
    }
```

web.html

```xml
<?xml version="1.0" encoding="UTF-8"?>
<element>
<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>Userloginloggout</display-name>
```

```xml
    <welcome-file-list>
      <welcome-file>index.html</welcome-file>
      <welcome-file>index.jsp</welcome-file>
      <welcome-file>index.htm</welcome-file>
      <welcome-file>default.html</welcome-file>
      <welcome-file>default.jsp</welcome-file>
      <welcome-file>default.htm</welcome-file>
    </welcome-file-list>
    <servlet>
      <description></description>
      <display-name>login</display-name>
      <servlet-name>login</servlet-name>
      <servlet-class>login</servlet-class>
    </servlet>
    <servlet-mapping>
      <servlet-name>login</servlet-name>
      <url-pattern>/login</url-pattern>
    </servlet-mapping>
    <servlet>
      <description></description>
      <display-name>profile</display-name>
      <servlet-name>profile</servlet-name>
      <servlet-class>profile</servlet-class>
    </servlet>
    <servlet-mapping>
      <servlet-name>profile</servlet-name>
      <url-pattern>/profile</url-pattern>
    </servlet-mapping>
    <servlet>
      <description></description>
      <display-name>logout</display-name>
      <servlet-name>logout</servlet-name>
      <servlet-class>logout</servlet-class>
    </servlet>
    <servlet-mapping>
      <servlet-name>logout</servlet-name>
      <url-pattern>/logout</url-pattern>
    </servlet-mapping>
  </web-app>
</element>
```