**Experiment-2.3**

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**Subject Name:** Advanced Internet Programming Lab

**Subject Code:** 21CAP-655

**Question 2: Explain how to create a simple login interface that will maintain a login session?**

**Code:**

**Index.html**

<!DOCTYPE html>

<html>

<head>

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

<title>Insert title here</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>

**Link.html**

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

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

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

<hr/>

**Login.html**

<form action="LoginServlet" method="post">

Name:<input type="text" name="name"><br>

Password:<input type="password" name="password"><br>

<input type="submit" value="submit">

</form>

**Web.xml**

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

<web-app>

<display-name>httpsessionlogin</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>

<description></description>

<display-name>FirstServlet</display-name>

<servlet-name>FirstServlet</servlet-name>

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

</servlet>

<servlet-mapping>

<servlet-name>FirstServlet</servlet-name>

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

</servlet-mapping>

<servlet>

<description></description>

<display-name>SecondServlet</display-name>

<servlet-name>SecondServlet</servlet-name>

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

</servlet>

<servlet-mapping>

<servlet-name>SecondServlet</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>

**LoginServlet.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 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();

}

}

**LogoutServlet.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();

}

}

**ProfileServlet.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");

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

}

out.close();

}

}

**Output:**





