**Phase 2: Practice Project: Assisted Practice: 1**

**Question: 05**

**Write a program to demonstrate a Servlet Filter.**

**Source Code:**

**index.html**

<!DOCTYPE html>

<html>

<head>

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

<title>Insert title here</title>

</head>

<body>

<p style="text-align: center; width: 100%;">

<a href="LoginFilter">Account Dashboard (allow filter)</a><br>

<a href="AccountProfile">Account Profile (allow filter)</a><br>

<a href="AccountDashboard">Account Dashboard (block filter)</a><br>

<a href="InfoPage">Info Page </a><br>

</p>

</body>

</html>

**Account Profile.java**

package ServletFilter;

import java.io.IOException;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

@WebServlet("/AccountProfile")

public class AccountProfile extends HttpServlet {

private static final long serialVersionUID = 1L;

public AccountProfile() {

super();

}

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

response.getWriter().write("I am in Account Profile after passing through LoginFilter");

}

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

doGet(request, response);

}

}

**Account Dashboard.java**

package ServletFilter;

import java.io.IOException;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

@WebServlet("/AccountDashboard")

public class AccountDashboard extends HttpServlet {

private static final long serialVersionUID = 1L;

public AccountDashboard() {

super();

// TODO Auto-generated constructor stub

}

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

response.getWriter().write("I am in Account Dashboard after passing through LoginFilter");

}

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

// TODO Auto-generated method stub

doGet(request, response);

}

}

**Info Page.java**

**package** ServletFilter;

**import** java.io.IOException;

**import** javax.servlet.ServletException;

**import** javax.servlet.annotation.WebServlet;

**import** javax.servlet.http.HttpServlet;

**import** javax.servlet.http.HttpServletRequest;

**import** javax.servlet.http.HttpServletResponse;

@WebServlet("/InfoPage")

**public** **class** InfoPage **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

**public** InfoPage() {

**super**();

}

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

response.getWriter().write("I am in InfoPage");

}

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

doGet(request, response);

}

}

**login Filter.java**

**package** ServletFilter;

**import** java.io.IOException;

**import** javax.servlet.FilterChain;

**import** javax.servlet.FilterConfig;

**import** javax.servlet.ServletException;

**import** javax.servlet.ServletRequest;

**import** javax.servlet.ServletResponse;

**import** javax.servlet.annotation.WebFilter;

@WebFilter("/LoginFilter")

**public** **class** LoginFilter {

**public** LoginFilter() {

}

**public** **void** destro() {

}

**public** **void** doFilter(ServletRequest request, ServletResponse response,FilterChain chain)

**throws** IOException, ServletException{

String userId = request.getParameter("userid");

**if** (userId != **null**) {

chain.doFilter(request, response);

}

}

**public** **void** init(FilterConfig fConfig) **throws** ServletException {

}

}

**Output:**









