package com.Apurva.Filter;

import java.io.IOException;

import javax.servlet.Filter;

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;

import javax.servlet.http.HttpFilter;

/\*\*

 \* Servlet Filter implementation class LoginFilter

 \*/

@WebFilter("/LoginFilter")

public class LoginFilter extends HttpFilter implements Filter {

    /\*\*

     \* @see HttpFilter#HttpFilter()

     \*/

    public LoginFilter() {

        super();

        // TODO Auto-generated constructor stub

    }

    /\*\*

     \* @see Filter#destroy()

     \*/

    public *void* destroy() {

        // TODO Auto-generated method stub

    }

    /\*\*

     \* @see Filter#doFilter(ServletRequest, ServletResponse, FilterChain)

     \*/

    public *void* doFilter(ServletRequest *request*, ServletResponse *response*, FilterChain *chain*) throws IOException, ServletException {

        // TODO Auto-generated method stub

        // place your code here

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

        if( userId != null){

*chain*.doFilter(*request*, *response*);

        }

    }

    /\*\*

     \* @see Filter#init(FilterConfig)

     \*/

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

        // TODO Auto-generated method stub

    }

}

package com.Apurva.Filter;

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;

/\*\*

 \* Servlet implementation class InfoPage

 \*/

@WebServlet("/InfoPage")

public class InfoPage extends HttpServlet {

    private static final *long* serialVersionUID = 1L;

    /\*\*

     \* @see HttpServlet#HttpServlet()

     \*/

    public InfoPage() {

        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

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

    }

    /\*\*

     \* @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*);

    }

}

package com.Apurva.Filter;

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;

/\*\*

 \* Servlet implementation class AccountProfile

 \*/

@WebServlet("/AccountProfile")

public class AccountProfile extends HttpServlet {

    private static final *long* serialVersionUID = 1L;

    /\*\*

     \* @see HttpServlet#HttpServlet()

     \*/

    public AccountProfile() {

        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

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

}

    /\*\*

     \* @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*);

    }

}

package com.Apurva.Filter;

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;

/\*\*

 \* Servlet implementation class AccountDashboard

 \*/

@WebServlet("/AccountDashboard")

public class AccountDashboard extends HttpServlet {

    private static final *long* serialVersionUID = 1L;

    /\*\*

     \* @see HttpServlet#HttpServlet()

     \*/

    public AccountDashboard() {

        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

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

}

    /\*\*

     \* @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*);

    }

}

<!DOCTYPE html>

<html>

<head>

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

<title>Filter</title>

</head>

<body>

        <a href="AccountDashboard?userid=Apurva">Account Dashboard (allow filter)</a><br>

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

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

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

</body>

</html>