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package com.jiang.Listener;

import javax.servlet.ServletContextAttributeEvent;
import javax.servlet.ServletContextAttributeListener;
import javax.servlet.ServletRequestAttributeEvent;
import javax.servlet.ServletRequestAttributeListener;
import javax.servlet.http.HttpSessionAttributeListener;
import javax.servlet.http.HttpSessionBindingEvent;

//监听属性变更
public class AttributeListener implements ServletRequestAttributeListener, ServletContextAttributeListener, HttpSessionAttributeListener {

    //ServletContext
    @Override
    public void attributeAdded(ServletContextAttributeEvent scae) {
        String name=scae.getName(); //目前正在操作的属性名
        Object attrValue=scae.getServletContext().getAttribute(name); //获得属性值
        System.out.println("ServletContext增加一个属性:属性名:"+name+"属性值"+attrValue);
    }

    @Override
    public void attributeRemoved(ServletContextAttributeEvent scae) {
        String name=scae.getName();
        System.out.println("ServletContext删除一个属性: "+name);
    }

    @Override
    public void attributeReplaced(ServletContextAttributeEvent scae) {
        String name=scae.getName();
        Object attrValue=scae.getServletContext().getAttribute(name);
        System.out.println("ServletContext替换一个属性:属性名:"+name+"属性值"+attrValue);
    }

    //ServletRequest
    @Override
    public void attributeAdded(ServletRequestAttributeEvent srae) {
        String name=srae.getName(); //目前正在操作的属性名
        Object attrValue=srae.getServletContext().getAttribute(name); //获得属性值
        System.out.println("Request增加一个属性:属性名:"+name+"属性值"+attrValue);
    }

    @Override
    public void attributeRemoved(ServletRequestAttributeEvent srae) {
        String name=srae.getName();
        System.out.println("Request删除一个属性: "+name);
    }

    @Override
    public void attributeReplaced(ServletRequestAttributeEvent srae) {
        String name=srae.getName();
        Object attrValue=srae.getServletContext().getAttribute(name);
        System.out.println("Request替换一个属性:属性名:"+name+"属性值"+attrValue);
    }

    //HttpSession
    @Override
    public void attributeAdded(HttpSessionBindingEvent se) {
        String name=se.getName(); //目前正在操作的属性名
        Object attrValue=se.getSession().getAttribute(name); //获得属性值
        System.out.println("HttpSession增加一个属性:属性名:"+name+"属性值"+attrValue);
    }

    @Override
    public void attributeRemoved(HttpSessionBindingEvent se) {
        String name=se.getName();
        System.out.println("HttpSession删除一个属性: "+name);
    }

    @Override
    public void attributeReplaced(HttpSessionBindingEvent se) {

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String name=se.getName();
Object attrValue=se.getSession().getAttribute(name);
System.out.println("HttpSession替换一个属性:属性名:"+name+"属性值"+attrValue);
}
}
```