**1、实现HttpSessionListener监听器**

**package listener;**

**import java.util.HashMap;**

**import java.util.Map;**

**import javax.servlet.ServletContext;**

**import javax.servlet.ServletRequest;**

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

**import javax.servlet.http.HttpSession;**

**import javax.servlet.http.HttpSessionEvent;**

**import javax.servlet.http.HttpSessionListener;**

**public class OnlineListener implements HttpSessionListener{**

**//当用户与服务器开始session时触发该方法**

**public void sessionCreated(HttpSessionEvent se) {**

**// TODO Auto-generated method stub**

**HttpSession session=se.getSession();**

**ServletContext application=session.getServletContext();**

**//获取sessionId**

**String sessionId=session.getId();**

**session.setMaxInactiveInterval(15);**

**//如果是新连接**

**if(session.isNew()){**

**Map<String,String> online=(Map<String, String>) application.getAttribute("online");**

**String user=(String) session.getAttribute("user");**

**user=(user==null?"游客":user);**

**if(online==null){**

**online=new HashMap<String, String>();**

**}**

**online.put(sessionId, user);**

**application.setAttribute("online", online);**

**}**

**}**

**//当用户与服务器断开session时触发该方法**

**public void sessionDestroyed(HttpSessionEvent se) {**

**// TODO Auto-generated method stub**

**HttpSession session=se.getSession();**

**ServletContext application=session.getServletContext();**

**String sessionId=session.getId();**

**System.out.println("sessionId:"+sessionId);**

**HashMap<String,String> online=(HashMap<String, String>) application.getAttribute("online");**

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

**online.remove(sessionId);**

**}**

**application.setAttribute("online",online);**

**}**

**}**

**2、登录控制器**

**package Login;**

**import java.io.IOException;**

**import java.util.HashMap;**

**import javax.servlet.ServletContext;**

**import javax.servlet.ServletException;**

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

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

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

**import javax.servlet.http.HttpSession;**

**import javax.servlet.http.HttpSessionEvent;**

**public class LoginServlet extends HttpServlet{**

**public void service(HttpServletRequest request,HttpServletResponse response)throws ServletException,IOException{**

**String user=request.getParameter("user");**

**String pass=request.getParameter("pass");**

**HttpSession session=request.getSession();**

**//session.setMaxInactiveInterval(3);**

**session.setAttribute("user", user);**

**session.setAttribute("pass", pass);**

**ServletContext application=session.getServletContext();**

**HashMap<String,String> dataMap=(HashMap<String, String>) application.getAttribute("online");**

**if(dataMap==null){**

**dataMap=new HashMap<String, String>();**

**}**

**dataMap.put(session.getId(),user);**

**application.setAttribute("online", dataMap);**

**try {**

**//转发**

**//request.getRequestDispatcher("/shop.jsp").forward(request, response);**

**//重定向**

**System.out.println("user1:"+session.getAttribute("user"));**

**response.sendRedirect("/webPrj/shop.jsp");**

**} catch (IOException e) {**

**// TODO Auto-generated catch block**

**e.printStackTrace();**

**}**

**}**

**}**

**3、登录界面**

**<%@ page language="java" import="java.util.\*" pageEncoding="utf-8"%>**

**<%**

**String path = request.getContextPath();**

**String basePath = request.getScheme()+"://"+request.getServerName()+":"+request.getServerPort()+path+"/";**

**application.setAttribute("addAttrName","addAttrValue");**

**application.removeAttribute("addAttrName");**

**application.setAttribute("newAttrName","newAttrValue");**

**application.setAttribute("newAttrName","1234567");**

**request.setAttribute("requestName1","requestValue1");**

**request.removeAttribute("requestName1");**

**request.setAttribute("requestName2","requestValue2");**

**request.setAttribute("requestName2","requestValue23");**

**%>**

**<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN">**

**<html>**

**<head>**

**<base href="<%=basePath%>">**

**<title>Login</title>**

**<meta http-equiv="pragma" content="no-cache">**

**<meta http-equiv="cache-control" content="no-cache">**

**<meta http-equiv="expires" content="0">**

**<meta http-equiv="keywords" content="keyword1,keyword2,keyword3">**

**<meta http-equiv="description" content="This is my page">**

**</head>**

**<body>**

**${tip}<br>**

**<form action="login?action=service" method="post">**

**名称:<input type="text" name="user"><br>**

**密码:<input type="text" name="pass"><br/>**

**<input type="submit" value="登录"><input type="reset" value="重置">**

**</form>**

**</body>**

**</html>**

**4、在线用户显示**

**<%@ page language="java" import="java.util.\*" pageEncoding="utf-8"%>**

**<%**

**String path = request.getContextPath();**

**String basePath = request.getScheme()+"://"+request.getServerName()+":"+request.getServerPort()+path+"/";**

**%>**

**<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN">**

**<html>**

**<head>**

**<base href="<%=basePath%>">**

**<title>My JSP 'shop.jsp' starting page</title>**

**<meta http-equiv="pragma" content="no-cache">**

**<meta http-equiv="cache-control" content="no-cache">**

**<meta http-equiv="expires" content="0">**

**<meta http-equiv="keywords" content="keyword1,keyword2,keyword3">**

**<meta http-equiv="description" content="This is my page">**

**<!--**

**<link rel="stylesheet" type="text/css" href="styles.css">**

**-->**

**</head>**

**<body>**

**<form action="buy.jsp">**

**书籍：<input type="checkbox" name="item" value="book">**

**电脑：<input type="checkbox" name="item" value="computer">**

**汽车：<input type="checkbox" name="item" value="car">**

**<input type="submit" value="提交">**

**</form>**

**<h1>在线用户：</h1>**

**<table>**

**<tr>**

**<td>ID</td>**

**<td>名称</td>**

**</tr>**

**<%**

**HashMap<String,String> online=(HashMap<String,String>)application.getAttribute("online");**

**for(String sessionId:online.keySet()){**

**%>**

**<tr>**

**<td><%=sessionId%></td>**

**<td><%=online.get(sessionId)%></td>**

**</tr>**

**<%**

**}**

**%>**

**</table>**

**</body>**

**</html>**