<%@ 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 'index.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>

当前在线用户人数：${userNumber }<br>

<%

ArrayList<com.imooc.entity.User> userList = (ArrayList<com.imooc.entity.User>)request.getServletContext().getAttribute("userList");

if(userList!=null){

for(int i = 0 ; i < userList.size() ; i++){

com.imooc.entity.User user = userList.get(i);

%>

IP:<%=user.getIpString() %>,FirstTime:<%=user.getFirstTimeString() %>,SessionId:<%=user.getSessionIdString() %> <br/>

<%}} %>

</body>

</html>

import java.util.ArrayList;

import javax.servlet.annotation.WebListener;

import javax.servlet.http.HttpSessionEvent;

import javax.servlet.http.HttpSessionListener;

import com.imooc.entity.User;

import com.imooc.util.SessionUtil;

@WebListener

public class MyHttpSessionListener implements HttpSessionListener {

private int userNumber=0;

@Override

public void sessionCreated(HttpSessionEvent arg0) {

// TODO Auto-generated method stub

userNumber++;

arg0.getSession().getServletContext().setAttribute("userNumber", userNumber);

//对象是全局对象，因为它们可以被同一servlet在另一时刻访问。或上下文中任意其他servlet访问。

}

@Override

public void sessionDestroyed(HttpSessionEvent arg0) {

userNumber--;

arg0.getSession().getServletContext().setAttribute("userNumber", userNumber);

ArrayList<User> userList = null;//在线用户List

userList = (ArrayList<User>)arg0.getSession().getServletContext().getAttribute("userList");

if(SessionUtil.getUserBySessionId(userList, arg0.getSession().getId())!=null){

userList.remove(SessionUtil.getUserBySessionId(userList, arg0.getSession().getId()));

}

}

}

import java.text.SimpleDateFormat;

import java.util.ArrayList;

import javax.servlet.ServletRequestEvent;

import javax.servlet.ServletRequestListener;

import javax.servlet.annotation.WebListener;

import javax.servlet.http.HttpServletRequest;

import com.imooc.entity.User;

import com.imooc.util.SessionUtil;

import java.util.Date;

@WebListener

public class MyServletRequestListener implements ServletRequestListener {

private ArrayList<User> userList;

@Override

public void requestDestroyed(ServletRequestEvent arg0) {

// TODO Auto-generated method stub

}

@Override

public void requestInitialized(ServletRequestEvent arg0) {

// TODO Auto-generated method stub

userList = (ArrayList<User>)arg0.getServletContext().getAttribute("userList");

if(userList==null)

userList = new ArrayList<User>();

HttpServletRequest request=(HttpServletRequest) arg0.getServletRequest();

String sessionIdString=request.getSession().getId();

if(SessionUtil.getUserBySessionId(userList,sessionIdString)==null){

User user=new User();

user.setSessionIdString(sessionIdString);

user.setFirstTimeString(new SimpleDateFormat("yyyy-MM-dd HH:mm:ss").format(new Date()));

user.setIpString(request.getRemoteAddr());

userList.add(user);

}

arg0.getServletContext().setAttribute("userList", userList);

}

}

package com.imooc.entity;

public class User {

private String sessionIdString;

private String ipString;

private String firstTimeString;

public String getSessionIdString() {

return sessionIdString;

}

public void setSessionIdString(String sessionIdString) {

this.sessionIdString = sessionIdString;

}

public String getIpString() {

return ipString;

}

public void setIpString(String ipString) {

this.ipString = ipString;

}

public String getFirstTimeString() {

return firstTimeString;

}

public void setFirstTimeString(String firstTimeString) {

this.firstTimeString = firstTimeString;

}

}

package com.imooc.util;

import java.util.ArrayList;

import com.imooc.entity.User;

public class SessionUtil {

public static Object getUserBySessionId(ArrayList<User> userList, String sessionIdString) {

for (int i = 0; i < userList.size(); i++) {

User user = userList.get(i);

if (user.getSessionIdString().equals(sessionIdString)) {

return user;

}

}

return null;

}

}