

Code Review Checklist

Review Information:

Name of Reviewer: WangQingyun, QiuJin

Name of Coder: Chendishi

File(s) under review: ActList.java, Admin.java, actlistp.jsp, managepre.jsp

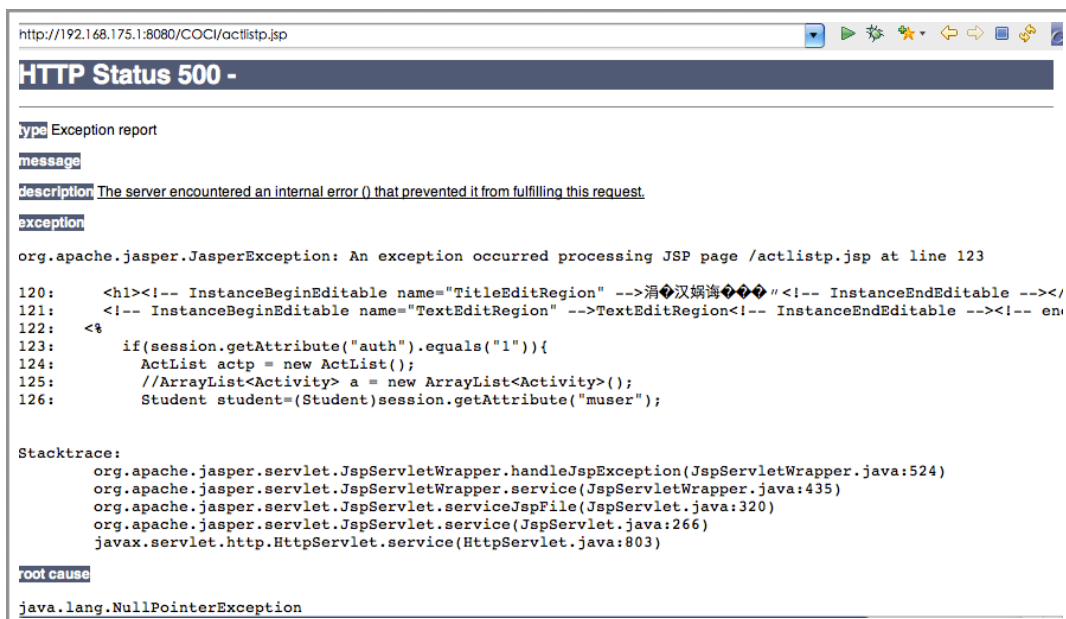
Brief description of change being reviewed:

1. A function called SearchByFocus() was added on the ActList.java file, which can be used to search for all the activities related to the user in the database.
2. A function called privilege() was added on the Admin.java file, which can be used to modify the privilege of a user by the administrator.
3. Actlistp.jsp was modified to display all the activities related to a user.
4. Managepre.jsp was added for administrator to modified a user's privilege.

Review Notes (problems or decisions):

1. Problem: No check of the user state before allowing a user to visit the page of activities related to him. So, when a user who has not registered visit the actlistp.jsp, it causes errors.

Decision: Add the checking code.



The screenshot shows a web browser window with the address bar displaying 'http://192.168.175.1:8080/COCI/actlistp.jsp'. The main content area displays an 'HTTP Status 500 -' error message. Below the status bar, there is a section titled 'Exception report' with the following details:

- message:** The server encountered an internal error () that prevented it from fulfilling this request.
- exception:** org.apache.jasper.JasperException: An exception occurred processing JSP page /actlistp.jsp at line 123

```
120:      <h1><!-- InstanceBeginEditable name="TitleEditRegion" -->消汉焱涛<!-- InstanceEndEditable --></
121:      <!-- InstanceBeginEditable name="TextEditRegion" -->TextEditRegion<!-- InstanceEndEditable --><!-- en
122:      <%
123:          if(session.getAttribute("auth").equals("1")){
124:              ActList actp = new ActList();
125:              //ArrayList<Activity> a = new ArrayList<Activity>();
126:              Student student=(Student)session.getAttribute("muser");
```

Below the exception details, a 'Stacktrace:' section lists the following sequence of calls:

- org.apache.jasper.servlet.JspServletWrapper.handleJspException(JspServletWrapper.java:524)
- org.apache.jasper.servlet.JspServletWrapper.service(JspServletWrapper.java:435)
- org.apache.jasper.servlet.JspServlet.serviceJspFile(JspServlet.java:320)
- org.apache.jasper.servlet.JspServlet.service(JspServlet.java:266)
- javax.servlet.http.HttpServlet.service(HttpServlet.java:803)

At the bottom, the 'root cause' is identified as 'java.lang.NullPointerException'.

2. Problem: No message of result passes to the user after releasing an act.

Decision: Display the message of releasing result.



3. Problem: Some information on the page is displayed by the way of “outprint”, which cause difficulty in page design.

Decision: Use jsp tag, like `<%= %>`, instead of outprint.

```
<%
    ActList all = new ActList();
    ArrayList<Activity> a = all.AllActs();
    for(int i=0; i < a.size(); i++)
    {
        out.print(a.get(i).getTitle());
        out.print(a.get(i).getDate().toString());
        out.print(a.get(i).getID());%>
        <form id="form1" name="form1" method="post" action="deleteact.jsp?id=<%=a.get(i).getID()%>" onsubmit = "return
        <input type="submit" name = "delete" id="a.get(i).getID()" value = "删除" />
    }
    <%= %>
```

4. Problem: No clear code and no enough comments.

Decision: Reconstruct the code and add comments.

SVN Versions (if applicable):

Before review: COCI8-11-25

After revisions: COCI9-12-1