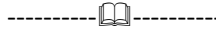


LAB 6: CUSTOMTAG



Mục tiêu:

Kết thúc bài thực hành này bạn có khả năng

- ✓ Tạo Simple Custom Tag
- ✓ Tạo Attribute Custom Tag

PHẦN I

Bài 1: Simple Custom Tag(3 điểm)

Tạo Tag handler class: File *MyTagHandler.java*

```

1. package com.poly;
2. import java.util.Calendar;
3. import javax.servlet.jsp.JspException;
4. import javax.servlet.jsp.JspWriter;
5. import javax.servlet.jsp.tagext.TagSupport;
6. public class MyTagHandler extends TagSupport{
7.
8.     public int doStartTag() throws JspException {
9.         JspWriter out=pageContext.getOut();//returns the instance of JspWriter
10.        try{
11.            out.print(Calendar.getInstance().getTime());//printing date and time using JspWriter
12.        }catch(Exception e){System.out.println(e);}
13.        return SKIP_BODY;//will not evaluate the body content of the tag
14.    }
15. }

```

Tạo Tag Library Descriptor (TLD): File *mytags.tld*

```

1. <?xml version="1.0" encoding="ISO-8859-1" ?>
2. <!DOCTYPE taglib
3.     PUBLIC "-//Sun Microsystems, Inc.//DTD JSP Tag Library 1.2//EN"
4.     "http://java.sun.com/j2ee/dtd/web-jsptaglibrary_1_2.dtd">
5.
6. <taglib>
7.
8.     <tlib-version>1.0</tlib-version>
9.     <jsp-version>1.2</jsp-version>
10.    <short-name>simple</short-name>
11.    <uri>http://tomcat.apache.org/example-taglib</uri>

```

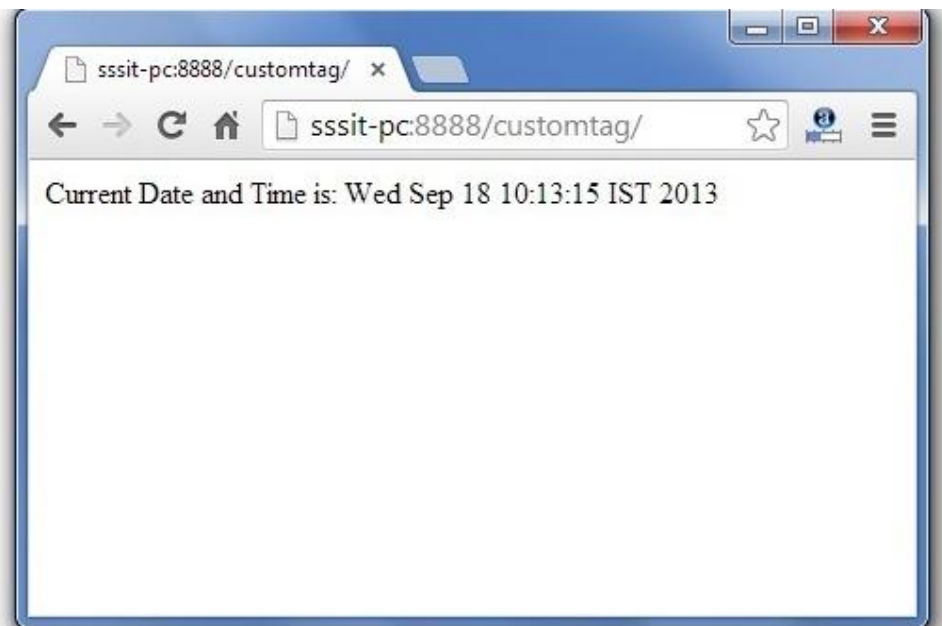
- 12.
13. **<tag>**
14. **<name>**today**</name>**
15. **<tag-class>**com.poly.MyTagHandler**</tag-class>**
16. **</tag>**
17. **</taglib>**

Tạo JSP file: *File index.jsp*

1. `<%@ taglib uri="WEB-INF/mytags.tld" prefix="m" %>`

Current Date and Time is: `<m:today/>`

Output



PHẦN II

Bài 2: Attribute Custom Tag(4 điểm)

Tạo Tag handler class: *File CustomTagAttribute.java*

```

18  */
19  public class CustomTagAttribute extends SimpleTagSupport {
20      private String ten;
21      private String kieungay;
22      public String getTen() {...3 lines }
23      public String getKieungay() {...3 lines }
24      public void setTen(String ten) {...3 lines }
25      public void setKieungay(String kieungay) {...3 lines }
26      @Override
27      public void doTag() throws JspException {
28          JspWriter out = getJspContext().getOut();
29          try {
30              if (ten.isEmpty())
31                  ten="Không tên";
32              if (kieungay.isEmpty())
33                  kieungay="dd/MM/yyyy";
34              Date ngay= new Date();
35              String chuoiNgay= new SimpleDateFormat(kieungay).format(ngay);
36              out.println("<h2>Hôm nay ngày "+chuoiNgay+"</h2>");
37              out.println("<h1>Chào mừng bạn '"+ten+"' đến đây</h1>");
38          } catch (java.io.IOException ex) {
39              throw new JspException("Error in CustomTagAttribute tag", ex);
40          }
41      }
42  }
43  }
44  }
45  }
46  }
47  }
48  }
49  }
50  }

```

Tạo Tag Library Descriptor (TLD): File HelloTag.tld

```

1  <?xml version="1.0" encoding="UTF-8"?>
2  <taglib version="2.1" xmlns="http://java.sun.com/xml/ns/javaee"
3      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
4      xsi:schemaLocation="http://java.sun.com/xml/ns/javaee
5      http://java.sun.com/xml/ns/javaee/web-jsp2_1.xsd">
6      <tlib-version>1.0</tlib-version>
7      <short-name>hellotag</short-name>
8      <uri>/WEB-INF/tlds/HelloTag</uri>
9      <tag>
10         <name>CustomTagAttribute</name>
11         <tag-class>simple.custag.CustomTagAttribute</tag-class>
12         <body-content>empty</body-content>
13         <attribute>
14             <name>ten</name>
15             <required>true</required>
16             <rtexprvalue>true</rtexprvalue>
17             <type>java.lang.String</type>
18         </attribute>
19         <attribute>
20             <name>kieungay</name>
21             <rtexprvalue>true</rtexprvalue>
22             <type>java.lang.String</type>
23         </attribute>
24     </tag>
25 </taglib>

```

Tạo JSP file: *File custag.jsp*



```

4      Author      : Fpoly
5      --%>
6      <%@page contentType="text/html" pageEncoding="UTF-8"%>
7      <%@taglib uri="/WEB-INF/tlds/HelloTag.tld" prefix="ph" %>
8      <!DOCTYPE html>
9      <html>
10     <head>
11         <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
12         <title>CustomTag</title>
13     </head>
14     <body>
15         <h1>Custom Tag</h1>
16         <ph:CustomTagAttribute ten="Tu Ech" kieungay="MM/dd/yyyy"/>
17     </body>
18 </html>

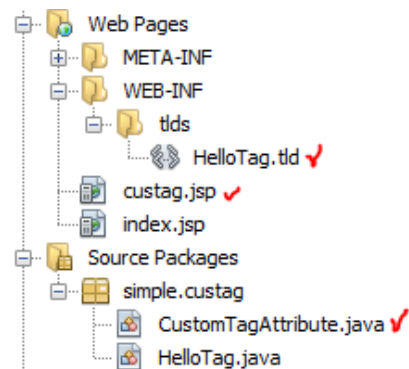
```



Custom Tag

Hôm nay ngày 08/15/2017

Chao mung ban'Tu Ech' den day



Bài 3: Dùng Attribute Custom Tag mô phỏng tương tự SQL Tag(3 điểm)