<JSTORM>

XML



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Content Information

Abstract XML
. XML
. JDOM
. , XML 7
. XML 7
. Reference http://www.theserverside.com/resources/patte rns_review.jsp
Benchmark information 1) http://www.jdom.org

2) http://java.sun.com

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XML

1.

```
· , XML ( ( , XML ). XML file XSL HTML · , XML AXML . , XML Parsing HTML , JDOM · .
```

2.

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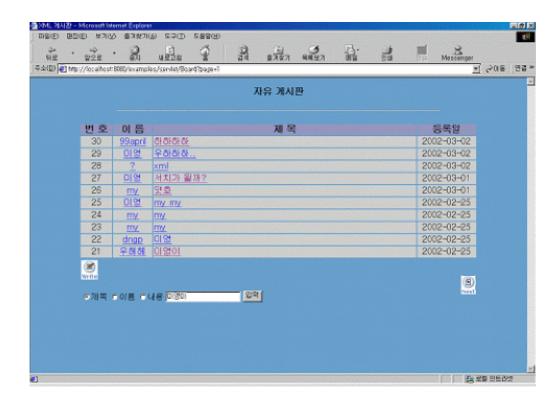
```
JDOM 5 jar . (crimson.jar, jaxp.jar, xerces.j ar, jdom.jar, xalan.jar) JDOM ,
. 5 *.jar C: \ tomcat \ common \ lib
5 classpath .
( 5 classpath .
JDOM Tomcat , .)
```

. http://localhost:8080/examples/servlet/Board

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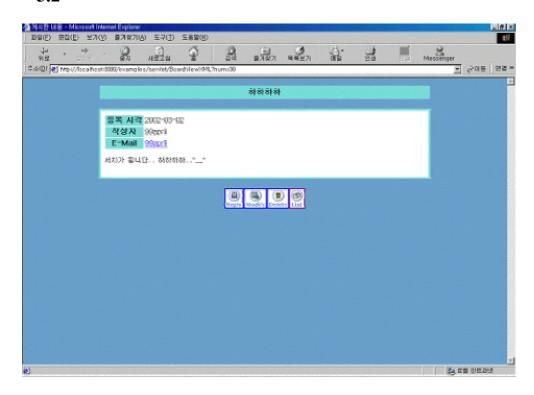
3.

3.1

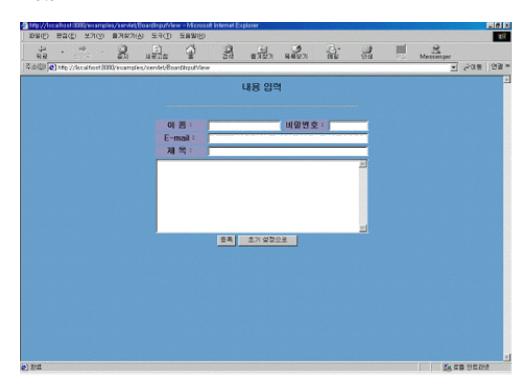


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3.2

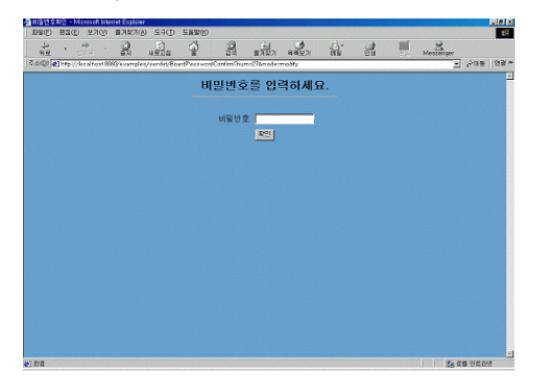


3.3



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3.4 Modify Delete Password



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4. XML

```
*.java file
  ~~~View.java
  ~~~XML.java ~~~~View
                                                              . ( ,
BoardViewXML.java
  BoardPasswordConfirm
                            modify
                                       delete
                                                    password
  Board.java
  board.xml
                                              XML
                                                     . DB
  search.xml
                                                  XML
   board.xsl
              board.xml
boardview.xsl
                         XML
                                                           가
  XMLManager
                                         (singleton).
```

가. board.xml : xml . . . , XML . .

```
<?xml version="1.0" encoding="euc-kr"?>
<!--<!DOCTYPE board SYSTEM "board.dtd">
<?xml:stylesheet type="text/xsl" href="board.xsl"?>-->
<board>
```

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```
//
               boarddata가
                                                      XML
<box><br/><box<br/>data></br/>
<no>30</no>
<date>2002-03-02</date>
<name>99april</name>
<email />
<title>
               </title>
            가
                              ..^__^</detail>
<detail>
                   ..
<password>234</password>
<tcpip />
<depth>0</depth>
<ref>30</ref>
<pos>0</pos>
</boarddata>
<box><br/>boarddata></br/>
<no>29</no>
<date>2002-03-02</date>
<name>
            </name>
<email />
<title>
               ..</title>
<detail>
                      .. ㅎㅎㅎㅎ</detail> //<= --;;;;;
<password>234</password>
<tcpip />
<depth>0</depth>
<ref>29</ref>
<pos>0</pos>
</boarddata>
<box><br/>boarddata></br/>
<no>28</no>
```

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```
<date>2002-03-02</date>
<name>?</name>
<email />
<title>xml</title>
<detail> x</detail>
<password>123</password>
<tcpip />
<depth>0</depth>
<ref>28</ref>
<pos>0</pos>
</boarddata>

board.xml
```

. search.xml : , XML , XSL HTML

.

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</boarddata></board>

search.xml

. board.xsl : StyleSheet xsl .

```
<?xml version="1.0" encoding="euc-kr"?>
<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transfor
m">
<xsl:template match="/">
<html>
<head>
<title>XML
           </title>
</head>
<body bgcolor="6699cc" text="#000000" leftmargin="0" topmargin="0">
<center><br/>
<h3>
          </h3><hr width="65%"/><br/>
<font size="4">
                                               </f
ont>
<font size="4">
                                  </font>
<font size="4">
                         </font>
<font size="4">
                                   </font>
<xsl:for-each select="board/boarddata">
<font size="4"><xsl:value-of select="no"/></font>
<font size="4">
<a>
```

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```
<xsl:attribute name="href">
mailto:<xsl:value-of select="email"/>
</xsl:attribute>
<xsl:value-of select="name"/>
</a>
</font>
<font size="4">
<script language="javascript">
i=0;
while(i!=<xsl:value-of select="depth"/>)
document.write("->");
i++
}
</script>
<a>
<xsl:attribute name="href">
http://localhost:8080/examples/servlet/BoardViewXML?num=<xsl:value-of select
="no"/>
</xsl:attribute>
<xsl:value-of select="title"/>
</a>
</font>
<font size="4">
<xsl:value-of select="date"/>
</font>
</xsl:for-each>
```

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```
</center>
</body></html>
</xsl:template>
</xsl:stylesheet>
```

. boardview.xsl : stylesheet xsl .

```
<?xml version="1.0" encoding="euc-kr"?>
<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transfor
m">
<xsl:template match="/">
<html>
<head>
<title>
           </title>
</head>
<body bgcolor="6699cc">
<center>
<center><b><xsl:value-of select="boarddata/titl"
e"/></b></center>
<br/>
<table border="0" bgcolor="#ffffff" cellspacing="0" cellpadding="8" width="100
%">
```

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```
<xsl:value-of select="boarddata/date"/>
<!--
                               getFormattedDateTime
.-->
<xsl:value-of select="boarddata/name"/>
E-Mail
<a>
<xsl:attribute name="href">
mailto:<xsl:value-of select="boarddata/email"/>
</xsl:attribute>
<xsl:value-of select="boarddata/name"/>
</a>

<xsl:value-of select="boarddata/detail"/>
<a>
<xsl:attribute name="href">
http://localhost:8080/examples/servlet/BoardReplyView?num=<xsl:value-of_sele
ct="boarddata/no"/>
</xsl:attribute>
<img src="../images/reply.gif"/>
</a>
<a>
<xsl:attribute name="href">
http://localhost:8080/examples/servlet/BoardPasswordConfirm?num=<xsl:value-
of select="boarddata/no"/>&mode=modify
</xsl:attribute>
```

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```
<img src="../images/modify.gif"/>
</a>
<a>
<xsl:attribute name="href">
http://localhost:8080/examples/servlet/BoardPasswordConfirm?num=<xsl:value-
of select="boarddata/no"/>&mode=del
</xsl:attribute>
<img src="../images/delete.gif"/>
</a>
<a>
<xsl:attribute name="href">
http://localhost:8080/examples/servlet/Board
</xsl:attribute>
<img src="../images/list.gif"/>
</a>
</center>
</body>
</html>
</xsl:template>
</xsl:stylesheet>
```

boardview.xsl

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5.

```
Database
DBMS가
                                               , traffic
                                (transaction
                       가
 )
              가
                     (가
                           ).
transaction
            \mathsf{XML}
                                              가
                                        (
       )
                                       가
XML 가
                          가 Data Presentation
                           StyleSheet
                                           xml
                                 가
                 가
                      xml
                 가
                                           .(
```

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