

The background features a light blue gradient with stylized, wavy horizontal bands in various shades of blue. Three spheres are positioned on these bands: a large light blue sphere on the left, a small green sphere in the upper right, and a medium-sized light blue sphere on the right.

JSP를 이용한 자료실

안 화 수

첨부파일 업로드 연습

❖ 파일 업로드 환경설정

jspproject - src - main - webapp - uploadTest -

fileUploadForm.jsp
fileUpload.jsp
fileCheck.jsp
file_down.jsp


- upload (업로드 된 파일 저장위치)

- WEB-INF - lib - cos.jar

첨부파일 업로드 연습

❖ cos 라이브러리 구하기

<http://www.servlets.com>

 **Servlets.com**

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March 13, 2022

What's New

JDOM 1.1.2 Released
I'm happy to announce the release of JDOM 1.1.2 today. It's a drop-in replacement for JDOM 1.1.1 with more than a dozen bugs fixed. *23 October 2011*

JDOM 1.1.1 Released
We released JDOM 1.1.1 today. This release includes an important Namespace synchronization bug fix, a new SAXBuilder flag for faster parsing, an updated Jaxen library, new support for Unicode surrogate pairs, and support for the Android Dalvik VM. *26 July 2009*

New COS Release
Today I released a new version of the COS library, best known for its MultipartRequest and MultipartParser file upload components. This release adds a few browser workarounds, a new exception subtype, and support for esoteric platforms. *26 December 2008*

JDOM 1.1 Released
I just posted the JDOM 1.1 release for download. This release includes about 20 improvements and bug fixes. *19 November 2007*

iPhone 1.0.2: Beware
Did Apple fire the QA department or something? *21 August 2007*

What's on Jason's Hard Drive?
O'Reilly just posted a new article of mine titled [What's on Jason's Hard Drive?](#) It's all about document management. *3 November 2006*

What else is new? >>>
To be notified when important content is added to the site, [subscribe here](#).

The Soapbox

Honest Opinions

Polling

Which XML object model do you use most? (Started Dec 10)

☐ DOM
☐ JDOM
☐ DOM4J
☐ XOM
☐ No XML object model

Comment?

[[Results](#) | [Other Polls](#)]
Votes: **151698** | Comments: **144008**

Servlet Resources

Useful URLs

Your source for the best servlet and JSP-related content on the web:

- The most helpful [servlet mailing lists](#) (with [searchable archives!](#))
- The best [servlet articles](#)
- The best [servlet documentation](#)
- A list of all [servers and plug-ins](#) supporting servlets
- A list of all [ISPs](#) supporting servlets (including user reviews!)
- The most useful [servlet tools](#)

Direct Links

Specs and RFCs

첨부파일 업로드 연습

❖ cos 라이브러리 구하기

Download

This is a .zip readable by "jar", newer releases are at the top.
To be notified when new versions release, [subscribe here](#).
Be sure to check out the [FAQ](#) and [Javadocs](#) below.

Version	Comments
	File upload improvements:
cos-22.05.zip	<ul style="list-style-type: none">• Modernized the Javadoc and copyrights• Added support for Servlets 2.4 and Java 5.• Added an ExceededSizeException type to make catching easier.• Added support for EBCDIC machines.• Added a workaround for browsers that send Content-Length of -1.• Added a workaround for Opera missing parameter names.

첨부파일 업로드 연습

❖ 첨부파일 업로드 폼

```
<form action="fileUpload.jsp" method="post" enctype="multipart/form-data">
```

```
    <input type="file" name="fileName1">
```

```
</form>
```

첨부파일 업로드 연습

❖ 첨부파일 업로드 처리

// 업로드할 디렉토리 위치를 구해옴

```
String uploadPath=request.getRealPath("upload");
```

```
System.out.println("path="+uploadPath);
```

// 실제 저장위치

```
int size = 10*1024*1024;
```

// 첨부 파일의 크기 : 10MB

// 첨부파일은 MultipartRequest 객체를 생성하면서 업로드가 된다.

```
MultipartRequest multi=new MultipartRequest(request,
```

```
uploadPath,
```

// 업로드할 디렉토리 위치

```
size,
```

// 첨부파일의 크기 : 10MB

```
"utf-8",
```

// 인코딩 타입 설정

```
new DefaultFileRenamePolicy());
```

// 중복문제 해결

➤ 실제 업로드 저장 위치

C:\workspace\metadata\plugins\org.eclipse.wst.server.core\tmp0\wtpwebapps\jspproject\upload

❖ 주요 기능

1. Connection Pool

2. 액션태그

<jsp:useBean....>

<jsp:setProperty....>

3. DTO, DAO 클래스

4. 페이징 처리 (inline View)

5. 첨부파일 업로드 – cos.jar 라이브러리 이용

자료실

❖ 자료실 테이블 생성

```
create table upload( num number primary key,  
                    writer varchar2(20) not null,  
                    email varchar2(30),  
                    subject varchar2(50) not null,  
                    passwd varchar2(20) not null,  
                    reg_date timestamp not null,  
                    readcount number default 0,  
                    content varchar2(2000) not null,  
                    ip varchar2(20) not null,  
                    upload varchar2(30) );
```

// 첨부파일명

```
create sequence upload_seq  
start with 1  
increment by 1  
nocache;
```


자료실

❖ 프로그램 주요 파일

upload - src - main - java - upload - BoardDataBean.java (DTO클래스)
BoardDBBean.java (DAO클래스)

webapp - upload (업로드 된 파일 저장위치)

upload1 - writeForm.jsp
writePro.jsp
list.jsp
content.jsp
updateForm.jsp
updatePro.jsp
deleteForm.jsp
deletePro.jsp
file_down.jsp (첨부파일 다운로드)

META-INF - context.xml (Connection Pool 환경설정파일)

WEB-INF - lib - ojdbc6.jar
cos.jar

web.xml (프로젝트의 환경설정 파일)

자료실

❖ Connection Pool 환경설정

webapp - META-INF – **context.xml**

<Context>

<Resource name="jdbc/orcl"

auth="Container"

type="javax.sql.DataSource"

username="totoro"

password="totoro123"

driverClassName="oracle.jdbc.driver.OracleDriver"

factory="org.apache.tomcat.dbcp.dbcp2.BasicDataSourceFactory"

url="jdbc:oracle:thin:@localhost:1521:xe"

maxActive="500"

maxIdle="100"/>

</Context>

자료실

❖ Connection Pool 에서 컨넥션 구해오기
webapp – upload1 – **dbcpAPITest.jsp**

```
<%@ page language="java" contentType="text/html; charset=utf-8"%>
<%@ page import="java.sql.*"%>
<%@ page import="javax.sql.*" %>
<%@ page import="javax.naming.*" %>
<%

    Connection conn = null;

    try {

        Context init = new InitialContext();
        DataSource ds = (DataSource) init.lookup("java:comp/env/jdbc/orcl");
        conn = ds.getConnection();

        out.println("<h3>연결되었습니다.</h3>");
    }catch(Exception e){
        out.println("<h3>연결에 실패하였습니다.</h3>");
        e.printStackTrace();
    }

%>
```

❖ 첨부파일 업로드 폼

```
<form method="post" action="writePro.jsp" enctype="multipart/form-data">
```

```
    <input type="file" name="upload">
```

```
</form>
```

자료실

❖ 첨부파일 업로드 처리

// 업로드할 디렉토리 위치를 구해옴

```
String path = request.getRealPath("upload");
```

```
System.out.println("path:" + path);
```

```
int size = 1024 * 1024;
```

// 첨부파일의 크기(단위:Byte) : 1MB

// 첨부파일은 MultipartRequest 객체를 생성하면서 업로드가 된다.

```
MultipartRequest multi = new MultipartRequest(request,
```

```
path,
```

// 업로드할 디렉토리 위치

```
size,
```

// 첨부파일의 크기 : 1MB

```
"utf-8",
```

// 인코딩 타입 설정

```
new DefaultFileRenamePolicy());
```

// 중복 문제 해결

➤ 실제 업로드 저장 위치

C:\workspace\metadata\plugins\org.eclipse.wst.server.core\wtmp0\wtpwebapps\upload\upload

자료실

❖ JSP Model1 Architecture

