Element Technology – File Upload

Summary

It provides a function to upload attached files.

Description

It is to obtain the attached file information via MultipartHttpServletRequest and MultipartFile, and to save it in a server.

Related Sources

Type	Corresponding Sources	Description	Remarks
Service	egovframework.com.cmm.service.EgovFileMngUtil.java	Common utility to handle attached files	
Controller	egovframework.com.utl.fcc.web.EgovFileUploadController.java	A controller for testing	
JSP	/WEB- INF/jsp/egovframework/cmm/utl/EgovFileUpload.jsp	A test page	

Method

Output	Method	Description	Details
HashMap	uploadFile(MultipartFile file)	Uploading files	Function to upload the attached files to a server
List	parseFileInf(Map<String, MultipartFile> files, String Key, int fileKey, String atchFileId, String storePath)	Getting the attached file information	Function to collect the attached file information

Input

- file: 'MutipartFile' object obtained from 'MultipartHttpServletRequest' object; not null, but a valid object
- Validation Check: Element Technology Validation Check

Output

- HashMap: Uploaded file information (Refer to the Manual)
- List : FileVO object list

Environmental Settings

Use the 'EgovPropertyService' service to designate where the file is to be saved.

(Refer to the 'egovProps/globals.properties' file under the *User home* directory for further information on the EgovPropertyService, and the "Globals.fileStorePath" attribute of the property file shall be used for the current file upload function.)

- User home directory: The information obtained via System.getProperty("user.home"); Windows type OS usually adopts "C:\ Documents and Settings\ *User Account*" and Unix account adopts "/home*/User Account*".

Manual

First of all, assume that the following properties are defined in the 'globals.properties' file.

…
Globals.fileStorePath = C:/Documents and Settings/Administrator/egovProps/

```
…
import egovframework.com.cmm.service.EgovFileMngUtil;

…
MultipartHttpServletRequest mptRequest = (MultipartHttpServletRequest)request;

Iterator fileIter = mptRequest.getFileNames();

while (fileIter.hasNext()) {
        MultipartFile mFile = mptRequest.getFile((String)file_iter.next());

        if (mFile.getSize() > 0) {
                HashMap map = EgovFileMngUtil.uploadFile(mFile);

                System.out.println("[ "+Globals.FILE_PATH+" : "+_map.get(Globals.FILE_PATH)+" ] ");
                System.out.println("[ "+Globals.FILE_SIZE+" : "+_map.get(Globals.FILE_SIZE)+" ] ");
                System.out.println("[ "+Globals.ORIGIN_FILE_NM+" :
"+_map.get(Globals.ORIGIN_FILE_NM)+" ] ");
                System.out.println("[ "+Globals.UPLOAD_FILE_NM+" :
"+_map.get(Globals.UPLOAD_FILE_NM)+" ] ");
                System.out.println("[ "+Globals.FILE_EXT+" : "+_map.get(Globals.FILE_EXT)+" ] ");
        }
}
```

References

- Reference to downloading files: File Download