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<JSTORM>

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ANT

*Revision <1.0>*



JSTORM  
<http://www.jstorm.pe.kr>

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### Content Information

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Abstract:	Ant make Ant
	XML
Reference:	1) <a href="http://jakarta.apache.org/">http://jakarta.apache.org/</a> 2) <a href="http://www.zerog.com/">http://www.zerog.com/</a>

### Document Approvals

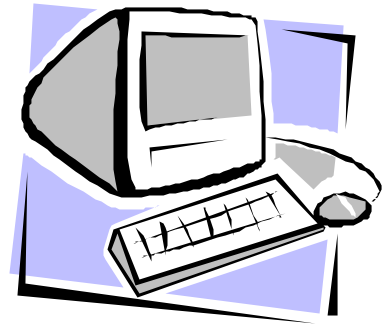
	Signature	date
		
	Signature	date

### Revision History

<u>Revision</u>	<u>Date</u>	<u>Author</u>	<u>Description of change</u>

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# CHAPTER 1

## Ant가 가?

Build Tool

Ant 3  
가 InstallAnywhere  
4

Ant make 가 가

Build number 가 (turn) Build 5.0  
2920 Build 가 가 가

? Build Tool 가  
1. (?)  
2. (...)  
( , , , )



? Ant make makefile make가  
Ant make가 Ant

make, gnumake, nmake, jam

Ant가

? 가

가

가

가

Make

가

OS

가

Makefile

가

' tab '

가

makefile

tab

가

JAM

Ant

configuration

XML

' find . -name foo -exec rm {} '

Ant

Cross Platform

가?

Shell

' exec '

Ant가

?

makefile

XML

Ant

Configuration

가

가

Tomcat

Ant

## Ant

Ant

jdk가

Ant

XML

http://java.sun.com/xml

가

JAXP

parser.jar

jaxp.jar

CLASSPATH

가

Ant

http://jakarta.apache.org

가

. Ant

가

가



JAVA_HOME	ANT_HOME	PATH
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## Window

SET JAVA\_HOME=c:\java\jdk1.3

SET ANT\_HOME=c:\java\ant

SET PATH=%CLASSPATH%;%ANT\_HOME%\bin

bash

export JAVA\_HOME=/usr/local/java/jdk1.3

export ANT\_HOME=/usr/local/java/ant

```
export PATH=${PATH}:${ANT_HOME}/bin
```

```
ant build.xml  
make가 makefile Ant build.xml  
build.xml
```

## Ant

HelloJava  
가

3

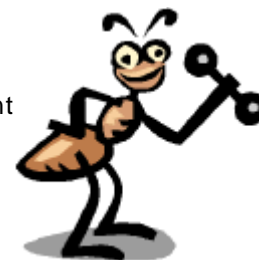
HelloJava

src

HelloJava.java

Ant

Ant



```
1: public class HelloJava{  
2:     public static void main(String argv[]){  
3:         System.out.println("Hello Java!");  
4:     }  
5: }
```

build.xml

HelloJava

```
1: <project name="HelloJava" default="main" basedir=".">  
2:     <target name="init">  
3:         <property name="build" value="bin" />  
4:         <property name="home" value="." />  
5:         <property name="src" value="src" />  
6:     </target>  
7:  
8:     <target name="compile" depends="init">  
9:         <javac srcdir="${src}" destdir="${build}" />  
10:    </target>  
11:  
12:    <target name="main" depends="compile"/>  
13: </project>
```

가

HelloJava

ant

?

```
C:\HelloJava>ant  
Searching for build.xml ...
```

```
Buildfile: C:\HelloJava\build.xml

init:

compile:
  [javac] Compiling 1 source file to C:\HelloJava\bin

main:

BUILD SUCCESSFUL

Total time: 14 seconds
```

bin class . HelloJava.java  
ant ant가 build.xml , , ,  
. ? ^ ^  
build.xml .

```
1: <project name="HelloJava" default="main" basedir=".">  
      . HelloJava Default 'main' target  
      , ant default main target .
```

```
2: <target name="init">  
3:   <property name="build" value="bin" />  
4:   <property name="home" value="." />  
5:   <property name="src" value="src" />  
6: </target>  
target 가 가 . jar doc  
      가 jar target  
      가 . init target  
target . target init .  
init target . target .
```

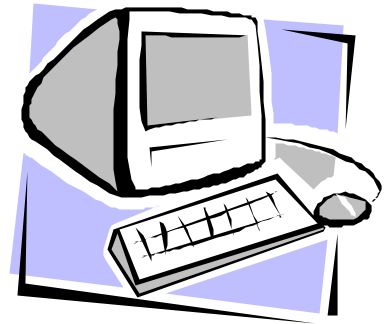
```
8: <target name="compile" depends="init">  
9:   <javac srcdir="${src}" destdir="${build}" />  
10: </target>  
      . depends="init" . init target  
      bin .  
      Ant .
```



---

(正道) 가  
가 Ant Ant  
2 Ant  
. 2  
3  
. ^ ^

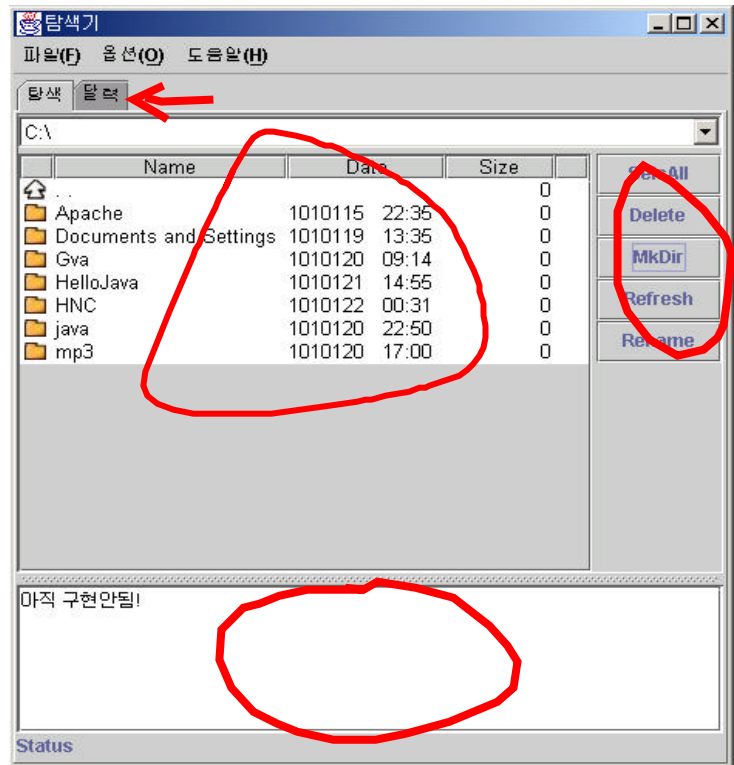
## CHAPTER 2



Ant , ...  
Ant 가 가  
가 가 가 가  
가 가 ? 가  
가 Swing 가  
가 가 가  
가 http://my.dreamwiz.com/mikei/  
가 가  
가 Swing

calmglow.gui	swing	awt
calmglow.util		
calmglow.adt		
calmglow.etc		
calmglow.image		
calmglow.net		
calmglow.db	DB	
calmglow.rmi	RMI	
calmglow.midp	MIDP	

calmglow.gui 가 . 가  
가 가  
가 .  
Status  
가



- 가 가 .  
가  
4 - 5 java 가 .
- LocalTable.java 가  
5
- public  
private .

4.

가

가

가

Chain, Mediator, Behavior Pattern, Interpreter, Command, Responsibility of

Pattern', Mediator, http://jstorm.pe.kr 'Java Design . Mediator

GUI

GUI

Mediator

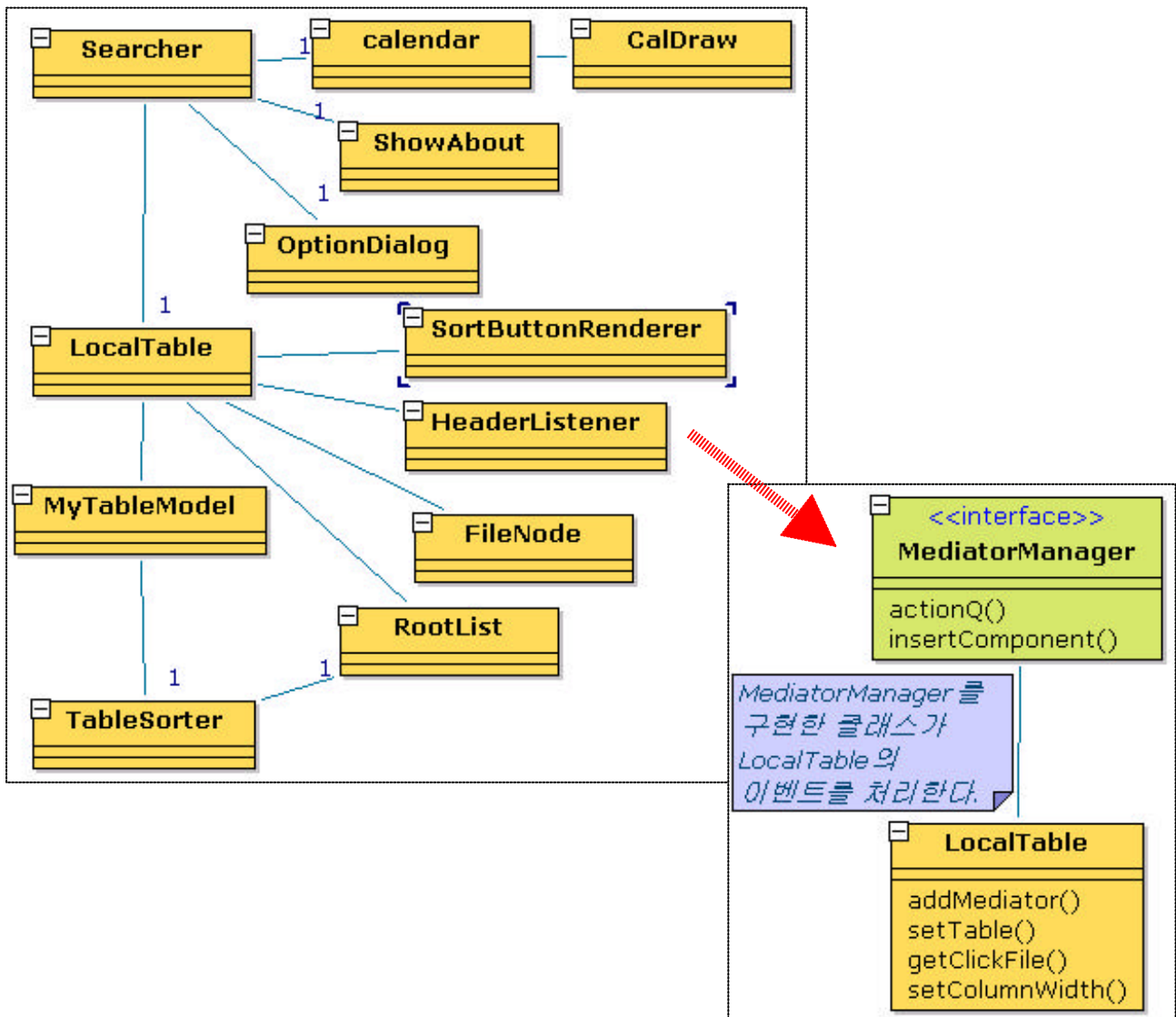
가

UML

가

Mediator

UML



```

MediatorManager      Mediator      가      가
Interface            LocalTable      MediatorManager
                        Factory
                        (
calmglow.gui          LocalTable.java  calmglow.util      MediatorManager.java,
LocalTableMediator.java
                        가
가
main      가      ?      LocalTable
                        LocalTable      Mediator
MediatorManager
Mediator      LocalTable      main
                        LocalTable      addMediator()
MediatorManager      LocalTableMediator      LocalTableMediator
insertComponent()      LocalTable      main
                        FirstFileManager

```

```

LocalTable panel = new LocalTable();
LocalTableMediator Itm=new LocalTableMediator();
panel.addMediator(Itm); // LocalTable Mediator
Itm.insertComponent(panel); // Mediator LocalTable

```

```

LocalTable
LocalTable      Mediator

```

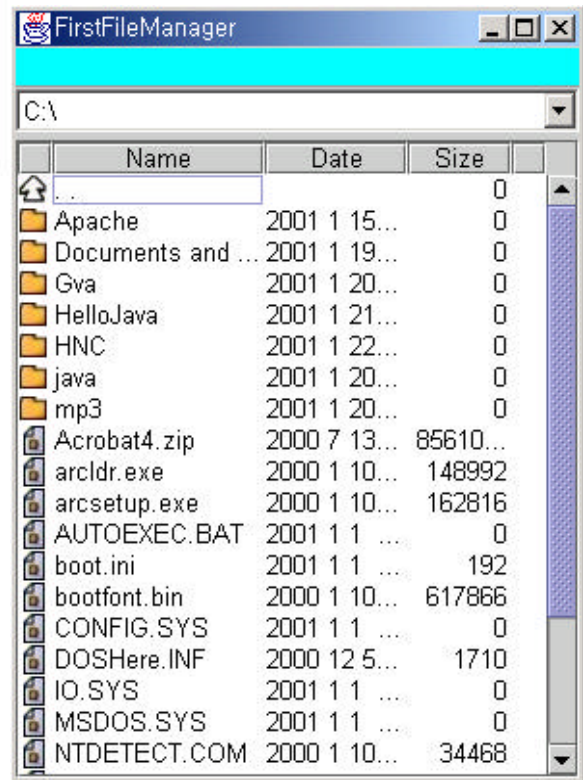
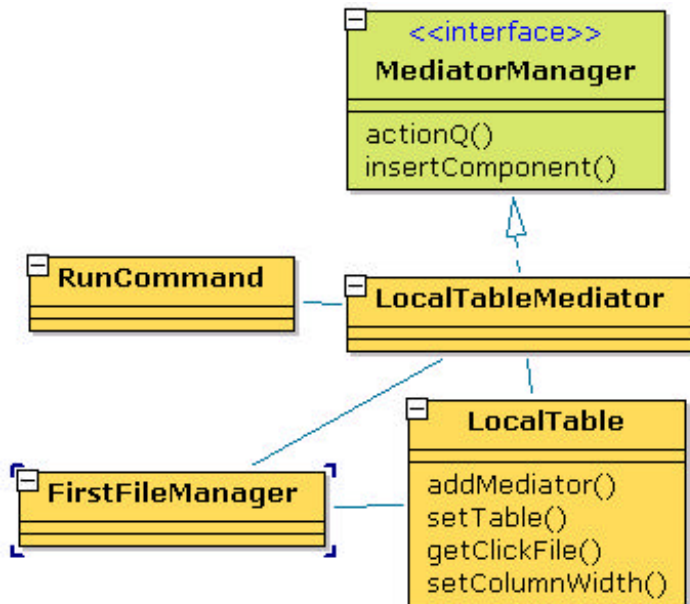
```

LocalTable      LocalTableMediator
public class LocalTableMediator implements MediatorManager{
    LocalTable It=null;
    public void insertComponent(Component c){
        It=(LocalTable)c;
    }
    public void actionQ(Component c){
        if(c !=null && c == It){ //c가 LocalTable ..
            // 가 가
            File f=It.getClickFile(); // 가
            StringBuffer sb=new StringBuffer(f.getName());
            String s=sb.substring(sb.length() - 3);

```

```
if(s.compareTo("exe") == 0 | s.compareTo(".sh") == 0) {  
    System.out.println(s);  
    // RunCommand      calmglow.util  
    RunCommand.run(f.toString());  
}  
}  
}
```

UML



LocalTable

LocalTable

가

가

MVC

, Model View

Control

2

가

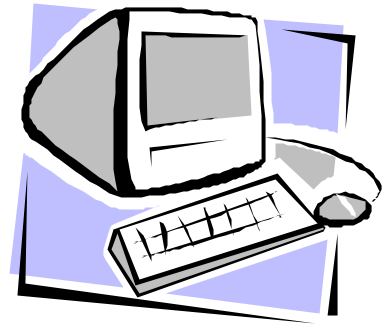
Refactoring

가 가

Refactoring

가  
Ant

2



## CHAPTER 3

### Ant (with example..)

2 FirstFileManager Ant  
가  
jar 가  
batch 가 , jar  
가 , batch ?  
ant 가  
readme 가  
ant ant 가 ?

SimpleFileManager  
bin  
docs docs  
+ calmglow - docs:  
lib lib  
+ calmglow - lib: . jar  
src src  
+ calmglow - src: 가  
- bin:  
src build.xml src ant  
build.xml

```

1 <project name="SimpleFileManager" default="main" basedir=".">
2   <target name="init">
3     <property name="build" value="../bin" />
4     <property name="lib" value="../lib" />

```



```
5     <property name="home" value=".." />
6     <property name="docs" value="../docs" />
7 </target>
8
9
10    <target name="build lib" depends="init">
11        <mkdir dir="${build}"/>
12        <mkdir dir="${lib}"/>
13        <javac srcdir="." classpath="." destdir="${lib}" />
14
15    </target>
16    <target name="make docs" depends="build lib">
17        <mkdir dir="${docs}"/>
18        <javadoc packagenames="calmglow/gui/*,calmglow/util/*,calmglow/etc/*"
19            sourcepath="."
20            destdir="${docs}"
21            author="true"
22            use="true"
23            windowtitle="SimpleFileManager"
24            doctitle="SimpleFileManager and jinho class library"
25            bottom="Copyright & #169; 2001 by jinho Choe.">
26            <link href="http://java.sun.com/products/jdk/1.2/docs/api/" />
27        </javadoc>
28    </target>
29    <target name="make jar" depends="make docs">
30        <jar jarfile="${lib}/sfm.jar"
31            basedir="${lib}"
32            includes="**"/>
33    </target>
34    <target name="clean" depends="init">
35        <delete dir="${lib}"/>
36        <delete dir="${build}"/>
37        <delete dir="${docs}"/>
38    </target>
39    <target name="main" depends="make jar"/>
40 </project>
```

XML

. .. XML  
. 1 project

HTML

main target target  
 make target 가  
 target target . ant  
 target target  
 build.xml target 가 .  
 가, 가 build.xml target  
 가 target

```
2 <target name="init">
```

```
3 <property name="build" value="../bin" />.....
```

target depends target  
 depends target , depends target  
 . init target target



가 가  
 . property name value . name  
 project , value

```
10 <target name="build lib" depends="init">
```

```
11 <mkdir dir="${build}"/>
```

```
12 <mkdir dir="${lib}"/>
```

```
13 <javac srcdir="." classpath="." destdir="${lib}" />...
```

"build lib" target init target ( ) src  
 lib . javac

```
16 <target name="make docs" depends="build lib">
```

```
17 <mkdir dir="${docs}"/>
```

```
18 <javadoc packagenames="calmglow/gui/* ,calmglow/util/* ,calmglow/etc/*"
```

```
19 sourcepath="."
```

```
20 destdir="${docs}"
```

```
21 author="true"
```

```
22 use="true"
```

```
23 windowtitle="SimpleFileManager"
```

```
24 doctitle="SimpleFileManager and jinho class library"
```

```
25 bottom="Copyright & #169; 2001 by jinho Choe.">
```

```
26 <link href="http://java.sun.com/products/jdk/1.2/docs/api"/>
```

```
27 </javadoc>
```

"build lib" target depend "make docs" target javadoc  
 . javadoc

javadoc

. link 가

SDK  
java.sun.com



```
29 <target name="make jar" depends="make docs">
30 <jar jarfile="${lib}/sfm.jar"
31 basedir="${lib}"
32 includes="**"/>
```

make jar target jar  
jar ?

```
34 <target name="clean" depends="init">
35 <delete dir="${lib}"/>
36 <delete dir="${build}"/>
37 <delete dir="${docs}"/>
38 </target>
```

clean target 'ant clean'

clean target 'ant clean'

```
39 <target name="main" depends="make jar"/>
```

project default target main 'make jar' 'make jar'  
'make doc' ?  
가 build.xml  
src ant 가가  
build.xml build.xml

http://jakarta.apache.org/ 가  
가 ant

4

InstallAnywhere

가

가 . 2 가

Ant

, Ant

, 2

ant

calmglow@orgio.net

jstorm.pe.kr

(calmglow@orgio.net)

1.

<u>Document File ID</u>	<u>Document Title</u>
<a href="http://jakarta.apache.org">http://jakarta.apache.org</a>	Jakarta
<a href="http://jstorm.pe.kr">http://jstorm.pe.kr</a>	jstorm ,

*End of Document*