

JPhotoAlbum

Zbyněk Mužík

JPhotoAlbum

- Virtual photo albums
- Focused on HTML
- My contribution
 - ✓ standalone .jar gallery
 - ✓ Three resolutions to choose from

Export of .jar gallery

JPhotoCollection

```
graph TD; A[JPhotoCollection] --> B(( )); B --> C[JPhoto]
```

JPhoto

Standalone browser

JPhotoSlideShowFrame



JPhotoSlideShow

Contents of the .jar file

- /fi/iki/jka/JPhotoSlideShow.class
- /fi/iki/jka/JPhotoSlideShowFrame\$1.class
- /fi/iki/jka/JPhotoSlideShowFrame\$ShowAction.class
- /fi/iki/jka/JPhotoSlideShowFrame.class
- /gallery/0000.jpg
- /gallery/0001.gif
- ...
- /gallery/photos.lst

Classes changed

Class name	Lines added	Changed / New
JPhoto	59	changed
JphotoCollection	12	changed
JphotoFrame	47	changed
JphotoMenu	10	changed
JPhotoSlideShow	174	new
JPhotoSlideShowFrame	104	new
JPhotoSlideShowMaker	202	new

Code sample 1./3

➤ Including files into the archive

```
f = new FileOutputStream(targArchName);  
out = new JarOutputStream(new OutputStream(f),getManifest());
```

```
for(int i = 0; i < nPics; i++) {  
    String src = picSet[i];  
    String dest  
=getJarPath(makePicName(i)+getFileExtension(picSet[i]));  
    JPhoto jp = new JPhoto(new File(src));  
    BufferedInputStream in =  
newBufferedInputStream(jp.getSlideStream(resolution));  
    JarEntry entry = new JarEntry(dest);  
    byte[] file = new byte[in.available()];  
    in.read(file, 0, file.length);  
    out.putNextEntry(entry);  
    out.write(file, 0, file.length);  
}
```

Code sample 2./3

➤ Manifest file

```
Manifest getManifest() {
    String [] manLines = {
        "Manifest-Version: 1.0\n",
        "X-COMMENT: Main-Class will be added automatically by build\n",
        "Created-By: 1.4.2_07-b05 (Sun Microsystems Inc.)\n",
        "Ant-Version: Apache Ant 1.6.2\n",
        "Main-Class: fi.iki.jka.JPhotoSlideShowFrame\n"};
    Manifest man = new Manifest();
    try {
        for (int i=0; i < manLines.length; i++) {
            ByteArrayInputStream ba = new ByteArrayInputStream(manLines[i].getBytes());
            man.read(ba);
        }
    }
    catch (IOException e3) {
        System.out.println("error while creating the manifest...");
    }
    return man;
}
```


Code sample 3./3

- Getting input stream from a file included in the .jar

```
InputStreamReader(this.getClass().  
    getResourceAsStream(fileName));
```


Screenshot

[Unsaved] - 40/72 Photos [modified] - JPhotoAlbum

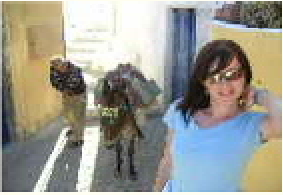
File Edit Page View Help

- New
- Open... Ctl+O
- Save Ctl+S
- Save As...
- Import Selected Photos...
- Import Photos from a Directory...
- Find Original Photos...
- Export HTML ▶
- Export Template ▶
- Export Subtitled Photos Ctl+O
- Export Slideshow ▶
 - 800 X 600
 - 1024 X 768
 - 1280 X 1024
- Export Index of All Linked Albums Ctl+I
- Copy and Watermark Original Photos
- Exit


PICT0041.JPG



PICT0042.JPG



PICT0043.JPG



D:\My Pictures\Athens\0424 Santorini - Red Beach, Perisa, Oia\PICT0042.JPG loaded in 265ms.

Start Microsoft PowerP... Windows Comma... report - Microsoft... C:\WINDOWS\sy... [Unsaved] - 40... EN 21:35

Questions?

Θένκ Γιού 😊