## <u>JavaPEG – Extended Feature</u>

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## Instructions to run the software:-

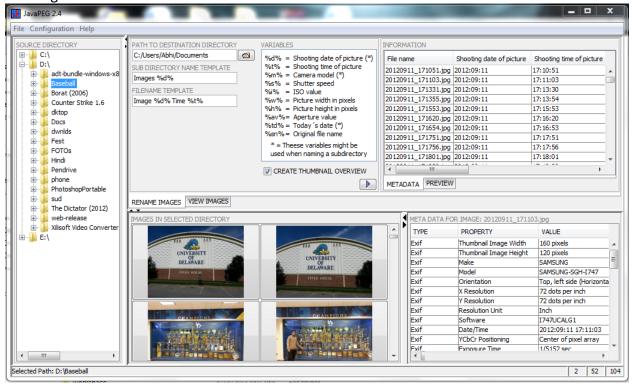
- 1. Open Java Eclipse.
- 2. Select File and then select Import from drop down menu.
- 3. Select General and then Existing Projects into Workspace from the subdirectory, hit Next.
- 4. Select "Select archive file", browse the .zip file provided in the submission, click Finish.
- 5. In Package Explorer at left, select JavaPEG and click on Run option ( ) on above. (If it ask to select which file to run then select StartJavaPEG.java which contains main method. Also, it will sometime prompt that program contains errors, proceed launch with error? Say yes because errors were found in open source project only and those are in Test cases not in source code.

The software runs perfectly and for better user experience use Maximized mode of software)

**Snapshots** on next page...

## **Snapshots:-**

The original software look -



The start screen of extended software looks like Image 1:-

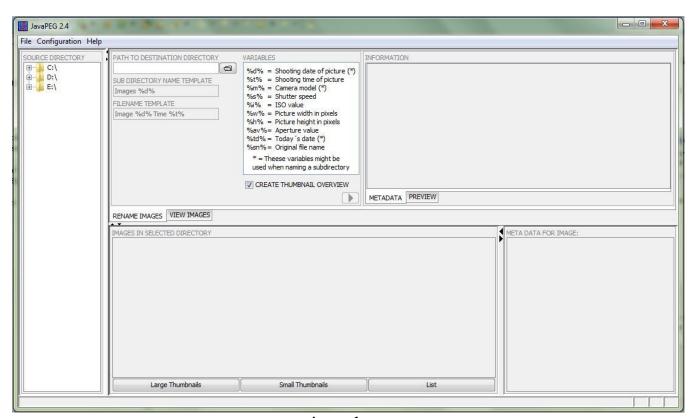


Image 1

Note:-Three buttons (extended feature) are added at the bottom of Thumbnail Panel

- Button 1:- Large Thumbnails To view large icons of selected images.
- Button2:-Small Thumbnails To view small icons of selected images.
- Button 3:- List To view titles of images as list.

After selecting the directory in which you want to view the photos you will see the software like Image 2 (Large Thumbnails is the default option here):-

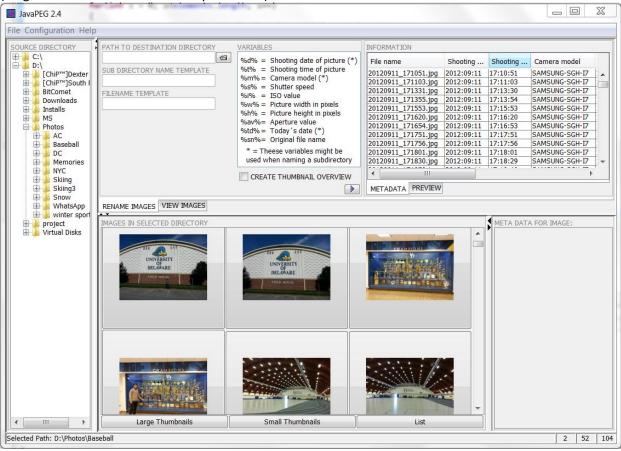


Image 2

After hitting on one of the image you will see all the properties in Meta Data panel like Image 3:-

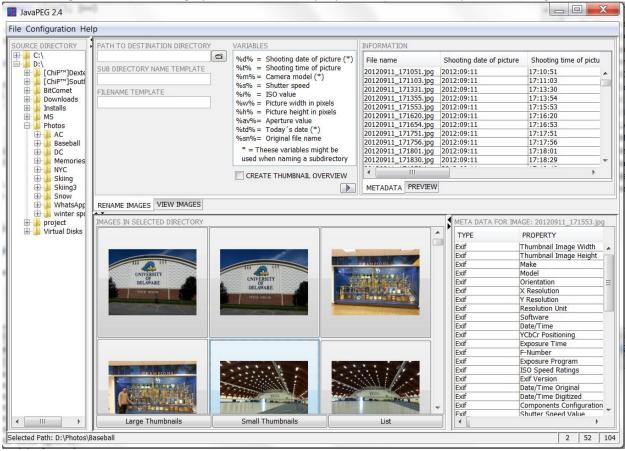


Image 3

After hitting Small Thumbnails option you will see the following screen, Image 4:-\_ - X JavaPEG 2.4 File Configuration Help PATH TO DESTINATION DIRECTORY INFORMATION D:\
☐ D:\
☐ (ChiP™]Dexte
☐ (ChiP™]South
☐ (ChiP™]South %d% = Shooting date of picture (\*) File name Shooting time of pictu %t% = Shooting time of picture SUB DIRECTORY NAME TEMPLATE 20120911\_171051.jpg 2012:09:11 17:10:51 %m% = Camera model (\*) 20120911\_171103.jpg 20120911\_171331.jpg %s% = Shutter speed FILENAME TEMPLATE %i% = ISO value 20120911\_171355.jpg 20120911\_171553.jpg Downloads 2012:09:13 17:13:54 %w% = Picture width in pixels 2012:09:11 17:15:53 1 Installs %h% = Picture height in pixels MS 20120911\_171620.jpg 20120911\_171654.jpg 2012:09:11 2012:09:11 17:16:20 17:16:53 %av%= Aperture value Photos %td% = Today's date (\*) %sn% = Original file name 17:17:51 17:17:56 H \* = Theese variables might be DC 20120911\_171801.jpg 2012:09:11 20120911\_171830.jpg 2012:09:11 17:18:01 used when naming a subdirectory 由 Memories 17:18:29 NYC CREATE THUMBNAIL OVERVIEW H Skiina Skiing3 METADATA PREVIEW Snow WhatsApp RENAME IMAGES VIEW IMAGES winter spo project
Virtual Disks MAGES IN SELECTED DIRECTOR META DATA FOR IMAGE: 20120911\_171751.jpg TYPE PROPERTY Exif Exif Thumbnail Image Width 🛦 Thumbnail Image Heigh Exif Make Model Exif Exif Orientation X Resolution Exif Y Resolution Resolution Uni Exif Exif Software YCbCr Positioning Exif Exposure Time Exif F-Number Exposure Program ISO Speed Ratings Exif Version Exif Exif Exif Date/Time Origina Date/Time Digitized Components Configurati Exif

**Image 4** 

2 52 104

Selecting List option you can see the image headers only like in Image 5:-

Large Thumbnails

Selected Path: D:\Photos\Baseball

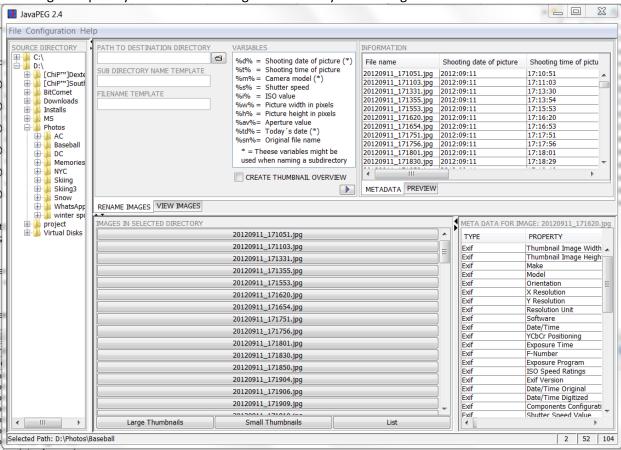


Image 5

Image 6,7,8 illustrates that after resizing the ThumbNail Panel the images inside it arrange automatically according to the size available.

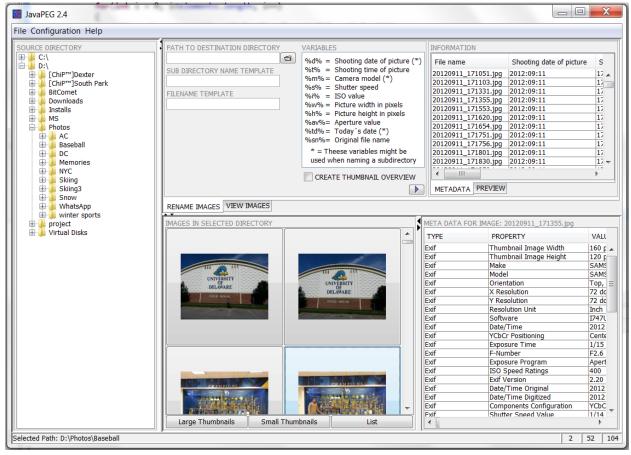
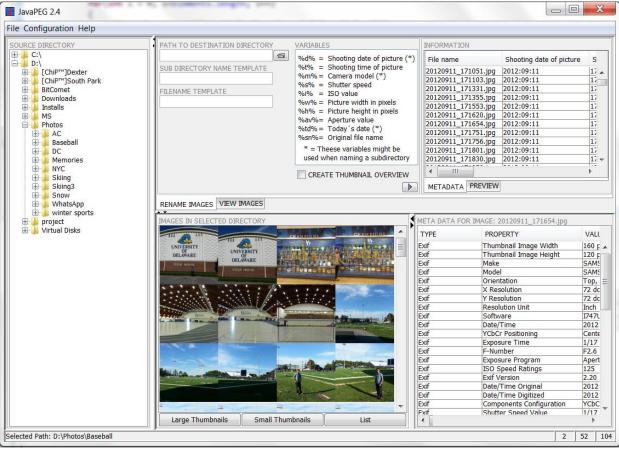


Image 6



**Image 7** 

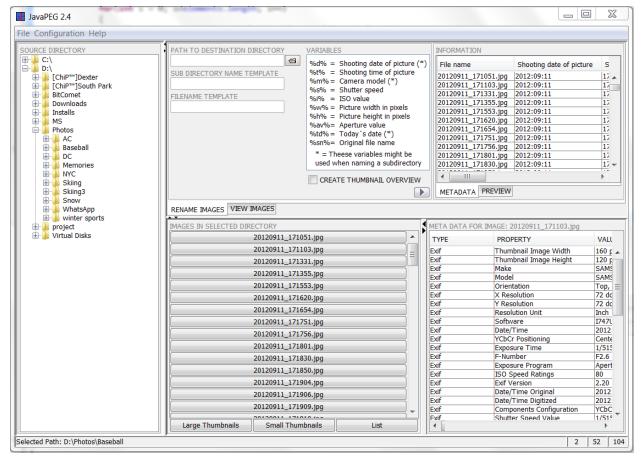


Image 8

Please see attached .zip file for source code with extended feature. (The source code is modified in the MainGUI.java file and the detailed explaination could be found in Assignment 16)