

COMP241-07A
Software Engineering Development
Assignment 3

1 Assignment Goals

The goal of this assignment is to implement a graphical user interface (GUI) for the ImageOrganizer library you have been working on throughout this course. You will study GUI programming in Java using Swing.

2 The Task

This assignment may be done in pairs or individually as the was the case with the first two assignments. Write a well-structured Java program to allow users to interact with the functionality provided by the `ImageOrganizer` library. That is, the user should be able to import and view pictures into the application by interacting with your GUI.

2.1 Required functionality

Your GUI should at least allow the user to import images (and folders containing images/folders), navigate through the repository and view particular images (note that I have already provided rudimentary examples of how to view images in the `imageviewer` package). Good quality code that achieves this functionality will be awarded a grade of **B**.

2.2 Additional functionality

To achieve a higher grade than B, your GUI must encompass further functionality provided by the library, e.g. copying/moving images/folders within the repository, deleting images/folders, adding/editing annotations and searching.

2.3 Documentation

To complete your work, provide a short user manual that describes the user interface. Include a brief evaluation of your user interface, explaining the design choices you made and discussing possible improvements.

Make sure that you write Javadocs for your gui code. This includes both class-level and method level Javadocs.

2.4 Tools

You are expected to use all the programming support tools introduced during the course. In particular, it will be checked whether you can use ANT, JAR, CVS and Javadoc.

3 Deliverables

- Check in all your Java sources and any supporting files (if any) into your CVS repository. Please tag the version to be considered as your final submission with the tag **ASS3-FINAL**
- Print your user manual and evaluation, and hand it in to the computer science office, or give it directly to me.

Due date: Friday, 8th June 2007: 5 P.M