Comp5048 InfoVis Semester 2, 2011 Assignment 2 (Programming)

Report 1 (10 marks) Deadline: September 20 3pm (by email)

Report 2 (30 marks) Deadline: October 25 3pm (presentation, demo, hard copy, email)

- You need to create a visualization system (perhaps as a plug-in to an existing system): you can use whatever software you like as building blocks for your system, but you must accurately acknowledge all your sources.
- Your system should take data from some domain and make beautiful and useful pictures of the data.

1. You must decide the domain (data sets) from which you will visualize data:
   - GD05 IMDB (Internet Movie Data Base) [http://www.ul.ie/gd2005/dataset.html](http://www.ul.ie/gd2005/dataset.html)
   - You can choose your own favorite domain, but you must discuss it with me first.

2. You must decide what metaphor to use; what will be the general appearance of the pictures?

3. You must decide what algorithms to use.

4. You must design the architecture of your system (including tools that you use).

5. September 20: you need to submit report 1 (3-5 pages); this is a description of your decisions on steps 1 – 4 above. The contents are:
   - Data Sets
   - Aims
   - Approaches/Methods: metaphor and algorithms
   - Architecture: plan for Implementation
   - Timeline/Planning
   - References

6. You must implement and evaluate your system.

7. October 25: you must hand in final report. This report should include:
   - A beautiful 10 page description of your domain, your metaphor, your algorithms, your architecture, your implementation, your evaluation and references.
   - Your code.
   - A print-out of your presentation and report.
   - You should also demonstrate the working system.
   - You must give a 15 minute presentation of your domain, metaphor, algorithms, architecture, and implementation to class.