Report - Marking Scheme

• The report is marked out of 50 (19 individual + 31 group marks) by the supervisor from the School and the unit coordinator. Suggested break down:
  1. Context – out of 12 (7 individual and 5 group)
  2. System design – out of 12 (group)
  3. Evaluation – out of 12 (group)
  4. Project management - out of 12 (individual)
  5. Conclusions – out of 2 (group)
  6. Presentation of the report – penalty for inappropriate presentation will apply

Project Distribution in Electronic Version

In addition to the hard copy of the report you need to submit a CD to your supervisors and unit coordinator. It must contain the following:

1. The report in e-version (format: word, pdf or ps)
2. Complete source code (your code should be fully documented)
3. readme file containing instructions on how to compile, install and run your program
4. The URL for the demo version of your system (if applicable)

This requirement is omitted for students working with industry who have signed a non-disclosure agreement.
Submission of the report and the CD

- Submit a hard copy of the report and the accompanying CD:
  - to your supervisors (from industry and University)
  - to the unit coordinator - in the INFO3600 box
- Do not forget to attach a signed cover sheet (Academic Honesty). It is available from the course web page.
- Deadline: Week 13 (Friday, 5pm)
  - Late submissions: a penalty of 1 mark per each day after the deadline will apply, and after 7 days the report will not be accepted

Presentation of the Report

- Language is appropriate for the audience (an IT professional who is not an expert in large scale software development)
- 12pt font
- Good use of tables and diagrams
- Grammatical sentences, clear and concise
- Good layout

Note on the page guidelines

- The indicated page numbers are just rough guidelines and they will vary depending on the nature of the project and number of students in the group.
- Keep the report clear and concise, the emphasize should be on high quality rather than quantity.
Cover page

TITLE

Group name

Group members with SIDs

INFO3600
Major Software Development Project
Semester 2, 2007

Supervisors
Submission date
Abstract page

**Title**

**Authors**

**Abstract**
- Easy-to-read description of what your product does
- Not for a computer scientist, oriented toward a high-school student or a newspaper reader
- About 100 words

**Acknowledgements**
- Company
- Supervisor
- Anyone else helpful

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Main chapters

Chapter 1. Context

[~3-4 pages, marked out of 12: 7 individual and 5 group]

1.1 Introduction (group writes this together)
- What is the problem that your group’s work addresses?
- What are your main goals?

1.2 Overview of the company and significance of the group’s work (each student writes this individually, ~1 page each)
- What are the main interests and activities of the company?
- How does the department you were assigned to fit in the company’s structure?
- How will your group’s work be used by the company? How does it relate to existing systems and processes? How does it aid innovation? Why is your group’s work significant in the overall work of the company?

1.3 Related work - summary of exploration of comparable systems (group writes this together)
- What products are competing with yours?
- What general methods are used to make this kind of product?
- What are the limitations of previous work or competing products?]
Chapter 2. System Design (group writes this together) [marked out of 12, group mark]

2.1 Background Tools and Concepts (~2 pages)
- What tools (compilers, libraries, existing code and hardware) and resources did you use and why?
- What coding and design methods did you use and why?
- What algorithms did you use and why?

2.2 System architecture (~6 pages)
- Overview
- Diagram showing the relationships between the main modules
- Modules and their interfaces
  - Short description of each of the main modules, their interfaces and how they fit into the system as a whole; show also the author(s) of each module

2.3 User operations (~6 pages; many pictures and few words)
- How do the users interact with the system? What operations do they perform?
- Walk through user scenarios, show screenshots if appropriate

Chapter 3: Evaluation (group writes this together) [marked out of 12, group mark]

3.1 Testing procedures, tools and results (~4 pages)
- How did you test your work? Briefly describe the procedures followed and tools used.
- What are the results of your tests?
  - Performance, correctness, usability testing
  - You may need charts and graphs

3.2 Interpretation of these results (~1-2 pages)
- Give some honest conclusions about the quality of your work
- Does the product serve the basic goals for the user community as set originally in the requirements document?
  - The original requirement and planning report should be included in the Appendix so that the marker can refer to it
- Does the outcome provide significant use to the client community beyond what was originally planned?
- Is your work of good quality (this would be reflected in features such as easy to use, robustness, extensibility)?
- What are the strengths and weaknesses of your work?
- Suggest further extensions and improvements
### Chapter 4. Project management (each student writes their own part)
[marked out of 12, individual mark], ~2 pages each

- Project plan and execution
  - What was the initial plan and what actually happened (week by week)
  - When did the milestones occur?
- Scope and schedule
  - Did you have the right scope for the given time?
  - Did you have a feasible schedule?
- Tools and skills
  - Did you choose the right tools?
  - Did you have the right skills coming into the project?
- Difficulties
  - What were the difficulties in your part of the project? How were these difficulties overcome?
- Group management (e.g. project integration and communication management)
  - What was the best thing of your group management? What were the areas for improvement?
- Lessons learned
  - What were the most valuable things you have learned from this project?

### Chapter 5. Conclusion (group writes this together)
[marked out of 2, group mark]

- Concluding remarks
- Summary of the strengths and weaknesses of the product you produced and the process you followed
- What you would have done differently if you could do it again
- Future work: enhancements and improvements to the product, better ways to organize future projects
- ~1/2 page
References

- It is recommended that you use a bibliographic management software such as Endnote for organising your references
- Endnote is available to all students from the library’s web site and the library also runs tutorials http://www.library.usyd.edu.au/databases/endnote/endnote.html
- There are different formats for entering and citing references. Choose one of them and be consistent. Here is one possibility [adapted from Annals of Software Engineering, Springer]:

- References

- Citing references from text – by their number, e.g. [1], [1,3,7], etc.