

CS 420/CS 620 Human-Computer Interaction

Project Part II: Functionality and Design

October 31, 2007

Due: Tuesday November 20, 5:00 pm, by email, single PDF file named
"420_P2_LastName(s)" or "620_P2_LastName(s)"
Points: 100
Weight: 14% in CS 420 and 12% in CS 620

Write a document that covers the functionality and the design of your software. Follow the structure below. Remember that your project should focus on interaction and interface details rather than on algorithmic aspects. In the following, **<X/Y/Z>** indicates a specific requirement as follows: X for a single student project, Y for a 2-student team, and Z for a 3-student team.

0 Cover page: department, university, project title, author(s), instructor, date

1 Abstract (between 100 and 200 words) – revised version of your project's abstract

2 Functionality & Features

- Functions and features that will be covered in the prototype due in December 2007
- Functions and features that will not be covered in the above prototype, but would be useful in a possible continuation of the project beyond the frame of this course.

To describe your system's functionality and features you can use any technique or combination of techniques, including but not limited to: (structured) English, user requirements, system requirements, functional and non-functional requirements, use-cases, scenarios, UML models for requirements specification (e.g. use case diagrams), and task analysis. The idea is to provide a clear and concise yet comprehensive description of what your system is supposed to do (or provide), and under what constraints.

3 Design

- Static interface design: provide at least **<8/14/20>** snapshots of your system's interface, with brief accompanying explanations/descriptions. Focus on the more important aspects of the interface, avoid as much as possible duplications, and relate the snapshots to the functionality/features presented in Section 2 of this document.
- Alternative designs: at least **<2/3/4>** alternative design solutions (snapshots) considered but not used in the project (e.g., different arrangements of the main window(s), different formats for error messages, different help structures, different color schemes, etc.). Briefly describe the alternatives, indicate what solutions were chosen (you should make references to the previous snapshots or place the alternatives side by side), and briefly explain why the alternatives were not chosen.

4 Annotated resources/references

- At least **<5/7/10>** annotated references (between 30 and 60 words each): papers/books
- At least **<3/4/5>** annotated websites with related resources (idem).

5 Contributions of team members (where applicable)