

## CS 790M Human-Computer Interaction

### Project Track Part #2 (P2): Functionality and Design

March 31, 2008

**Due:** Monday April 14, 5:00 pm, by email, single PDF file named  
HCI2008\_P2\_YourLastName  
**Points:** 100  
**Weight:** 15%

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.

**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 May 2008
- 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**

- Design overview: assumptions, conceptual models and/or interface metaphors used, key characteristics, assumptions and simplifications made, elements not covered.
- Static interface design: provide at least 8 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 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 annotated references (at least 50 words each): papers/books
- At least 3 annotated websites with related resources (idem).

#### **5 Glossary of terms**

- As complete as possible (at least 15 terms)