

CS 790M Human-Computer Interaction

Project Track Part #1 (P1) : Concept

March 4, 2008

Due:	Friday, March 14, 5:00 pm (single PDF file named HCI2008_P1_YourLastName)
Points:	100
Weight in course grade:	5%

P1 Decide on a project topic that involves significant human-computer interaction and write a **Project Concept Document** with the following contents:

- Project title
- Project concept: main goals, main characteristics and functionality, intended users, key usability goals, notes with references on existing similar products (utility and limitations and/or advantages and disadvantages), novelty of your solution and/or enhancements suggested, reason(s) why you chose the project track in this course, potential for further development of the project beyond this course (at least 700 words).
- References (at this moment, at least 5 are required).

Note that the next phases of your project will be as follows (the assumption is that you will work alone on this project; because 2-person groups are also allowed, the required workload for such groups will be higher than outlined next):

P2 *Requirements and Design Document* (the actual handout will be available by March 14). Due: Friday, April 4. Weight: 15%. The following items are likely to be included in this document (choices will also be available):

- Functional and non-functional requirements
- HCI scenarios
- UML use case diagram & use cases
- Prototyping (paper or low level)
- Design overview: assumptions, conceptual models and/or interface metaphors used, key characteristics, brief notes on possible alternative designs, assumptions and simplifications made, elements not covered
- User-interface prototype (static), sufficiently elaborate to provide an overview of the application's interface as well as details of operation corresponding to at least two use cases
- Glossary of terms, as complete as possible
- References (at least 8 required)

P3 *Project Demo and Project-based Paper* (draft contents next, the actual handout will be available by April 4). Due: May 6 and May 10. Weight: 25%.

- Demo of the project to the instructor (dynamic user-interface prototype, May 5 or 6)
- IEEE-style paper, 2 columns, at least 4 pages, at least 10 references, in the format specified at http://www.cse.unr.edu/~dascalus/TSE2006_paperformat.doc (due May 10)