

## CS 420/CS 620 Human-Computer Interaction

### Project Part I: Concept

October 8, 2007

**Due:** Thursday, October 25, 5:00 pm, by email, single PDF file named “420\_P1\_LastName(s)” or “620\_P1\_LastName(s)”

**Points:** 20

**Weight in course grade:** 7% in CS 420 and 5% in CS 620

Decide on an HCI project topic for this class and write a project concept document with the structure indicated below. Note that your project should focus on your software’s interaction and interface details rather than its algorithms aspects.

#### 0 Cover page

- Department, university
- Project title
- Author(s) – between 1 and 3
- Instructor
- Date

#### 1 Abstract (between 100 and 200 words)

#### 2 Project Description (between 600 and 1000 words). Indicate the following:

- Main goals – what is the project about
- Main functionality and characteristics
- Intended users and key usability goals
- Notes on existing similar/related products: their utility, good characteristics and limitations OR advantages and disadvantages(provide references)
- Novelty of your solution, innovative characteristics, enhancements suggested/expected
- Potential for further development beyond CS 420/CS 620
- Challenges that you anticipate for project development
- Intended technology, e.g., platform, languages, libraries, tools, etc.
- A note on how this project can help your professional growth
- Author(s): brief background information, specific skills, computer science interests

#### 3 Project Resources

- At least 5 references (journal articles, conference papers, or books)
- At least 3 websites with related resources

#### 4 [Optional but strongly recommended: Budget and Budget Justification, up to 1 page and up to \$5,000]