

CS 420/620 Human-Computer Interaction

Project Part 3: Design

October 30, 2019

Due: Thursday November 14, 11:59 pm, by email to the instructor (dascalus@cse.unr.edu), single PDF file named "P3_TXX" where XX is your team number (01, 02 ... 20)
Points: 100
Weight: 8% in CS 420 and 7% in CS 620

Write a document that covers the design of your interactive computer-based product. Follow the structure below. Remember that your project should focus on interaction and interface details rather than on algorithmic aspects.

Note that $\langle X/Y/Z \rangle$ means X applies to a team of 1, Y to a team of 2, and Z to a team of 3 students.

- 0 **Cover page:** department, university, project title, author(s), instructor, date
- 1 **Abstract** (between 100 and 120 words) – revised version of your project's abstract written for P-2: Requirements Discovery and Specification
- 2 **High level design:** include here the following:
 - a. **A system-level structural diagram** (e.g., a system context diagram, a site map, an architectural diagram, or an architectural pattern). In other words, describe the high level structure (components and their relationships) of your product.
 - b. **A system-level behavioral diagram** (an activity chart or state-chart) that describe the overall interactive operation of your product.
- 3 **Static interface design:** provide at least $\langle 4/6/8 \rangle$ snapshots of your product's interface, with brief accompanying explanations and descriptions. Focus on the more important aspects of the interface, avoid duplications, and relate the snapshots to the functionality and features presented in Project Part 2 (Requirements).
- 4 **Alternative designs:** at least $\langle 1/2/3 \rangle$ alternative design solutions (snapshots) considered but not used in the project (e.g., different arrangements of the main window(s), different color schemes, different help structures, 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. Consider larger scope, more significant design decisions rather than small design details.
- 5 **Annotated resources/references**
 - At least $\langle 4/5/8 \rangle$ annotated references (between 50 and 80 words each): journal articles, conference papers, books, websites. A mixture of all these is recommended.
- 6 **Contributions of team members**
 - Be specific about what each of the team members contributed to this document.