

**Department of Computer Science and Engineering
College of Engineering, University of Nevada, Reno**

CS 425/CS 625 Software Engineering

Project Part I: Concept

October 6, 2008

Due: Monday, October 20, at 11:00 am, by email, single PDF file named P1_T* where * is your group #
Points: 50 **Weight in course grade:** 5%

Decide on a project topic for your team and write a project concept document with the following structure:

0 Cover page

- Department, university
- Project title
- Team, team members
- Instructor
- External advisor(s)
- Date

1 Abstract (between 100 and 150 words)

2 Project Description (between 700 and 1000 words). Indicate the following:

- Main goals – what is the project about
- Main functionality and characteristics
- Intended users and key usability goals (that is, how users will benefit from your project)
- Potential for further development beyond CS 425/CS 625
- Challenges that you may encounter during the project's development
- Intended technology, e.g., platform, languages, libraries, tools, etc.
- A note on how this project can help your professional growth
- Team members: brief background information, specific skills, and involvement in the project
- A brief note on current or potential external advisor(s)

3 Market Potential or Open Source Significance (between 250 and 500 words). Address the following:

- Market potential, commercial promise, or open source value
- Evidence of user interest (provide references)
- [Optional: Social and environmental impact]
- Notes on similar/related products (provide references)
- Novelty of your solution, innovative characteristics

4 [Optional] Budget and Budget Justification, up to 1 page and up to \$5,000

5 [Optional] Project Related Resources

- A “problem-domain” book
- At least three reference articles (journal, conference or web scientific publications)
- At least three related websites with useful resources

Note that the project related resources are optional in this part of the project but will be required in Part II, Project Specification. To the above, you can add any other items that will strengthen your proposal.