

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

**CS 426 Senior Projects**

**Project Part I: Concept**

February 6, 2006

**Due:** Tuesday, February 14, 5:00 pm (by email)

**Points:** 20

**Weight in course grade:** 4%

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

0 Cover page

- Department, University
- Project title
- Team, team members
- Instructor
- Advisor(s)
- Date

1 Abstract (between 100 and 200 words)

2 Project Description (between 600 and 800 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 the frame of CS 426)
- Challenges that you think you may encounter during the project's development
- Intended technology (platform, languages, libraries, tools, etc.)
- A note on how this project can help your own professional growth
- Project timeline: phases, activities/tasks, deliverables, and dates
- Team members: brief background information, specific skills and involvement (roles) in the project
- Team advisor(s): involvement in the project

3 Market Potential or Open Source Significance (between 300 and 400 words)

Address the following:

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

#### 4 Budget and Business Plan [optional]

- A one-page budget (up to \$10,000) and budget justification
- Business plan (no specific size)

#### 5 Project Related Resources [optional at this time]

- “Problem-domain” book
- At least four reference articles (journal, conference or web scientific publications)
- At least five 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 may add any other items that you think will make your proposal stronger. If you have such items I recommend that you include them in a 6<sup>th</sup> Section, Appendix (or Appendices).