

# CS578: Software Architectures Spring 2006

## Homework #1

**Due Date: Thursday, January 26  
before 3:30pm – *no exceptions***

Research a non-trivial software system on the web and identify/define some of its requirements.

- 1) Brief description of the system
- 2) URL
  - \* home page
  - \* requirements (if available)
  - \* architecture/design (if available)
  - \* test cases/scenarios (if available)
  - \* source code (if available)
- 3) Who are the users?
  - \* level of expected education (familiarity with computer)
  - \* level of familiarity with domain of software system
  - \* many users or few
- 4) List 5 functional requirements
- 5) List one non-functional requirement for every quality we covered in class (if a non-functional requirement does not apply, state why!)
- 6) Is Reuse possible? Why? Why not?
- 7) List two requirements whose architectural impacts are localized. List two requirements whose impacts are (more) global. State Why!  
(make sure part 4) and 5) include sufficient requirements for this task)
- 8) Identify two requirements for which the architect might require additional feedback. State Why!  
(make sure part 4) and 5) include sufficient requirements for this task)

***NOTE: Choose a software system and a set of requirements that are reasonably understandable.***

Submission Instructions: see class web site at [http://sunset.usc.edu/classes/cs578\\_2006/](http://sunset.usc.edu/classes/cs578_2006/)