

CS 121  
Spring 2005  
Final Project Information

The final development project begins with a concept, either put forth by the team itself or from a third party. Once that concept is approved, a set of requirements will be developed, followed by design, implementation, test, and documentation of a product fulfilling those requirements. Projects will be judged on the following points:

1. Does the concept lead to a non-trivial, yet well-rounded, self-contained application that can be finished by the end of the term, given the various requirements that are levied on the project itself?
2. How well are the requirements (including use cases) documented?
3. Is the acceptance test adequate and clearly formulated?
4. Are the user instructions and documentation clear and unambiguous?
5. How clear is the project management plan (including WBS, PERT chart, schedule, milestones, staff assignments, and risk management)?
6. Did the project actually get conducted according to the plan, or were there significant deviations?
7. Does the design, as reflected in appropriate documents, represent good practices, such as using patterns where appropriate and various UML diagrams?
8. Can requirements be traced backward and forward through the design, implementation, and test phases?
9. Has the design been conducted with testing in mind?
10. Is the implementation faithful to the design?
11. How well documented is the code?
12. Has version control been used throughout?
13. Is all information clearly structured on the project wiki?
14. To what degree is testing automated vs. a hit-or-miss activity?
15. How well does the final product meet the requirements?
16. Does the product pass the acceptance test?

Timetable:

22 March	This announcement
24 March	Initial sharing of project concepts (oral)
29 March	Refined project concepts (written & oral)
31 March	Rough draft of requirements (written)
5 April	Complete requirements document (written & oral)
7 April	Initial design, management plan, and test plan (oral)
12 April	Completed design, management plan, and test plan (written)
19 April	First prototype, with testing
26 April	Second prototype (oral & demo), user documentation (written)
2 May	No class, HMC Presentation Days
9 May	Final presentation, demo, all documentation (written & oral)