CS 440: Introduction to Software Engineering

Fall 2006

Project Deadlines

Tentative Course Grade: 35% for the project, 25% for midterm, 40% for the final.

For the project, you choose any of the applications of interest and develop the software using the any standard software life cycle model. Possible application areas are : Banking system, Inventory management system, a railway reservation system, etc.

Example Banking System: In this project you should develop a system to keep track of accounts and, let users and management perform various functions. The user functions include— deposits, withdrawls, transfers from one account to another, account balances. The management functions include— create a new account, close an account, generation of various reports such as account balances for all the accounts, transaction activity of all accounts with in a given period of time, transaction activity for a particular account during a period, change the address of a customer. Whenever a listing of accounts is given it should be sorted according to account numbers. Whenever the account activity is given then it should be sorted based on date and time. All users and managers authentication should be properly verified through passwords or other means.

You should design proper screen formats/user interface, report formats, file formats and any other things needed. All exceptions should be indicated by the system.

The following documents should be produced:

You need to submit different artifacts at various times. The following are the deadlines for their submission.

1. Basic problem definition, rough plan and a very rough cost estimate in terms of person-days— due on September 15th, Friday, in the class. (5% of the project)

2. Requirements specification— due on Oct 6th, Friday, in the class. (15% of the project)

3. Design (both architectural as well as detailed design) — due on Nov 3rd, Friday, in the class. (20% of the project)

4. User's Manual and final cost estimate — December 4th, Monday (5% of the project)

5. Implementation Testing — December 7th-8th, Thrusday-Friday (need to set up time with the TA). (45% of the project)

There will be a 10% credit for the elegance and any advanced features you may provide.