

## Question Set 2. A Crash Course in Software Engineering.

Due Date: Friday, 18 January, 2002.

Please complete this assignment individually. Read these instructions carefully.

You should have received an email to your CSE account listing the names of your group members. Listed next to the name of each group member is a letter – A through F.

**Group Representative ‘A’:** Read Topic 7 in the textbook, pp. 26-33.

**Group Representative ‘B’ and ‘F’:** Read Topic 8 in the textbook, pp. 34-43.

**Group Representative ‘C’:** Read Topic 9 in the textbook, pp. 44-47.

**Group Representative ‘D’:** Read Topic 17 in the textbook, pp. 86-89.

**Group Representative ‘E’:** Read Topic 27 in the textbook, pp. 144-149.

1. Pick up a transparency and marker in class on Wednesday. Prepare a slide that describes:

- What the topic of your reading is about
- Why the topic is important

Then prepare a set of notes that you could use if you had to present the slide to the class. In your notes, include short examples that were not contained in the book that illustrate your points. Also include in your notes how this topic helps you accomplish one or more of the 3 properties of good code and good design.

2. This textbook is intended for practicing programmers looking to improve their software engineering skills. As a result, it often mentions real-world technologies or practices that you may not know about. It is important not to panic when you read about something you don't know. There is usually still a lot that you can take from the reading. At the same time, you don't want to become *too* comfortable about not knowing things, or you will always stay the newbie who doesn't know anything. So please identify one technology or technique that you came across in your reading and didn't understand. Some examples are listed below, but you are not limited to only choosing from these examples:

- CORBA
- Client-server application
- Design patterns
- RMI
- Enterprise Java Beans (EJB)
- Regression testing
- Configuration management

For the technology or technique that you chose, search for information on this topic using the web, library, and/or magazines. Write about what you find. (One paragraph is sufficient, although feel free to write more.)

Please type everything except the transparency. Make just 1 copy of this assignment – it will be returned to you so that you can place it in your binder.

If you don't have a transparency or marker, buy them from the UW Bookstore or any office supply store.