

Question Set 5. Information Hiding.

Due Date: 22 February, 2002.

Please complete this assignment individually. Read these instructions carefully.

Read the Handout passed out in section on 7 February, 2002. The Handout is about Information Hiding. If you don't have this Handout, get it from outside my office at Sieg 226C.

1. You have a friend in CSE who has not taken CSE403 and isn't taking it right now. He/she has had an internship, though, so your friend knows something about high-level design and architecture and lower-level design. Your friend has also done a big software project as part of a Capstone course. Your friend asks you, "What is information hiding and why is it so important?" Answer your friend in your own words.
2. You have a friend in EE who took CSE142/143 two and a half years ago. Your friend thinks of him/herself as a pretty good coder. Your friend doesn't know anything about design beyond what was taught in CSE143, and he/she doesn't remember that much from CSE143 anyway except how to code in C++. Your friend asks you, "What is information hiding and why is it so important?" Answer your friend in your own words.
3. What is the relationship between information hiding and subsets? (Other than the fact that they were both invented by David Parnas in the 1970's.)

Be prepared to present your answers for #1 and #2 to friends of yours from CSE and EE that will be attending class on the 22nd as guests. (Hey, you never know. I may be able to bribe some of your friends with chocolate < *grin* >).

Please type everything. Make 2 copies of this assignment – turn one in and place one in your binder.